

**LOS ANGELES UNION STATION
FORECOURT AND ESPLANADE IMPROVEMENTS PROJECT**

DRAFT ENVIRONMENTAL IMPACT REPORT

STATE CLEARINGHOUSE NUMBER 2016121064

PREPARED FOR:

**LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
ONE GATEWAY PLAZA
MAIL STOP 99-23-4
LOS ANGELES, CA 90012**

PREPARED BY:

**SAPPHOS ENVIRONMENTAL, INC.
430 NORTH HALSTEAD STREET
PASADENA, CALIFORNIA 91107**

AUGUST 11, 2017

VOLUME II: APPENDICES



Metro™

Appendix A

Notice of Preparation and NOP Comments

Notice of Preparation

Notice of Preparation

To: California State Clearinghouse
1400 Tenth Street
Sacramento, CA 95814

From: Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza, Mail Stop 99-23-4
Los Angeles, CA 90012-2952

Subject: Notice of Preparation of a Draft Environmental Impact Report

LA County Metropolitan Transportation Authority will be the Lead Agency and will prepare an environmental impact report for the project identified below. We need to know the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the EIR prepared by our agency when considering your permit or other approval for the project.

The project description, location, and the potential environmental effects are contained in the attached materials. A copy of the Initial Study (is is not) attached.

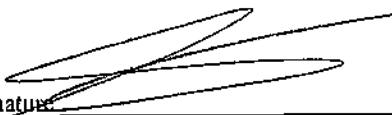
Due to the time limits mandated by State law, your response must be sent at the earliest possible date but not later than 30 days after receipt of this notice.

Please send your response to Elizabeth Carvajal, Metro Senior Manager at the address shown above. We will need the name for a contact person in your agency.

Project Title: Los Angeles Union Station Forecourt and Esplanade Improvements EIR

Project Applicant, if any: Los Angeles County Metropolitan Transportation Authority

Date December 22, 2016

Signature 

Title Metro Senior Manager

Telephone (213) 922-3084

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Los Angeles Union Station Forecourt and Esplanade Improvements Environmental Impact Report

Lead Agency: Los Angeles Metropolitan Transit Authority

Contact Person: Elizabeth Carvajal

Mailing Address: One Gateway Plaza, MS 99-23-4

Phone: (213) 922-3084

City: Los Angeles

Zip: 90012

County: Los Angeles County

Project Location: County: Los Angeles County City/Nearest Community: Los Angeles

Cross Streets: Alameda Street and Cesar E. Chavez Avenue, and Alameda Street and Arcadia Street Zip Code: 90012

Longitude/Latitude (degrees, minutes and seconds): 34 ° 03 ' 22.63" N / 118 ° 14 ' 13.68" W Total Acres: approx. 5 acres

Assessor's Parcel No.: 5409023946

Section: Twp.: Range: Base:

Within 2 Miles: State Hwy #: 101, 10, 110, 60, and 5

Waterways: Los Angeles River

Airports: LAPD Helipor

Railways: UPRR, BNSF, Amtrak Schools: See attached page

Document Type:

CEQA: NOP Draft EIR NEPA: NOI Other: Joint Document
 Early Cons Supplement/Subsequent EIR EA Final Document
 Neg Dec (Prior SCH No.) Draft EIS Other:
 Mit Neg Dec Other:

Local Action Type:

General Plan Update Specific Plan Rezone Annexation
 General Plan Amendment Master Plan Prezone Redevelopment
 General Plan Element Planned Unit Development Use Permit Coastal Permit
 Community Plan Site Plan Land Division (Subdivision, etc.) Other: Roadway Imp.

Development Type:

Residential: Units _____ Acres _____
 Office: Sq.ft. _____ Acres _____ Employees _____ Transportation: Type Roadway, ped, bike path, imp.
 Commercial: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____ Power: Type _____ MW
 Educational: Waste Treatment: Type _____ MGD
 Recreational: Hazardous Waste: Type _____
 Water Facilities: Type _____ MGD Other:

Project Issues Discussed in Document:

Aesthetic/Visual Fiscal Recreation/Parks Vegetation
 Agricultural Land Flood Plain/Flooding Schools/Universities Water Quality
 Air Quality Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater
 Archeological/Historical Geologic/Seismic Sewer Capacity Wetland/Riparian
 Biological Resources Minerals Soil Erosion/Compaction/Grading Growth Inducement
 Coastal Zone Noise Solid Waste Land Use
 Drainage/Absorption Population/Housing Balance Toxic/Hazardous Cumulative Effects
 Economic/Jobs Public Services/Facilities Traffic/Circulation Other:

Present Land Use/Zoning/General Plan Designation:

Commercial and Industrial

Project Description: (please use a separate page if necessary)

The Los Angeles County Metropolitan Transportation Authority (Metro) is the Lead Agency responsible for preparing the Environmental Impact Report (EIR) for the Los Angeles Union Station Forecourt and Esplanade Improvements. Metro has also secured federal funds for the project which requires compliance with the National Environmental Policy Act (NEPA). The California Department of Transportation (Caltrans), acting on behalf of the Federal Highway Administration (FHWA) will serve as the Federal Lead Agency for the evaluation of the project. Consistent with the provisions of 23 Code of Federal Regulations §771.117(a)(c)(2). It is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

(continued on attached page)

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

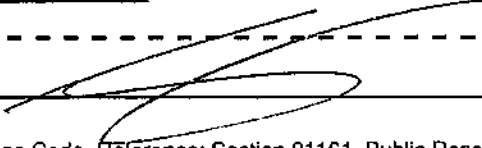
- | | |
|--|--|
| <input type="checkbox"/> Air Resources Board | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Public School Construction |
| <input type="checkbox"/> California Emergency Management Agency | <input type="checkbox"/> Parks & Recreation, Department of |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input type="checkbox"/> Caltrans District # _____ | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input type="checkbox"/> Regional WQCB # _____ |
| <input type="checkbox"/> Caltrans Planning | <input type="checkbox"/> Resources Agency |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input type="checkbox"/> Resources Recycling and Recovery, Department of |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Comm. |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input type="checkbox"/> Conservation, Department of | <input type="checkbox"/> Santa Monica Mtns. Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input type="checkbox"/> SWRCB: Water Quality |
| <input type="checkbox"/> Energy Commission | <input type="checkbox"/> SWRCB: Water Rights |
| <input type="checkbox"/> Fish & Game Region # _____ | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input type="checkbox"/> Toxic Substances Control, Department of |
| <input type="checkbox"/> Forestry and Fire Protection, Department of | <input type="checkbox"/> Water Resources, Department of |
| <input type="checkbox"/> General Services, Department of | |
| <input type="checkbox"/> Health Services, Department of | Other: _____ |
| <input type="checkbox"/> Housing & Community Development | Other: _____ |
| <input type="checkbox"/> Native American Heritage Commission | |

Local Public Review Period (to be filled in by lead agency)

Starting Date December 22, 2016 Ending Date January 31, 2017

Lead Agency (Complete if applicable):

Consulting Firm: <u>Kleinfelder</u>	Applicant: <u>L.A. Metro</u>
Address: <u>707 Wilshire Blvd. Suite 1450</u>	Address: <u>One Gateway Plaza MS 99-23-4</u>
City/State/Zip: <u>Los Angeles, CA 90017</u>	City/State/Zip: <u>LA, CA 90012</u>
Contact: <u>Chuck Cleeves</u>	Phone: <u>(213) 922-3084</u>
Phone: <u>(619) 892-2481</u>	

Signature of Lead Agency Representative:  **Date:** 12-22-16

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

NOTICE OF PREPARATION

FOR LOS ANGELES UNION STATION FORECOURT AND ESPLANADE IMPROVEMENTS ENVIRONMENTAL IMPACT REPORT

DATE: December 22, 2016

TO: All Interested Agencies, Organizations, and Individuals

SUBJECT: Notice of Preparation of Environmental Impact Report

PROJECT TITLE: The Los Angeles Union Station - Forecourt and Esplanade Improvements EIR

FROM: Los Angeles County Metropolitan Transportation Authority
Elizabeth Carvajal, Metro Senior Manager (telephone number 213-922-3084)
One Gateway Plaza, Mail Stop 99-23-4, Los Angeles, CA 90012
Email: CarvajalE@metro.net

The Los Angeles County Metropolitan Transportation Authority (Metro) will be the Lead Agency under the California Environmental Quality Act (CEQA) as amended (Public Resources Code, Section 21000-21178 and California Code of Regulations Title 14, Chapter 3 Section 15000–15387) and will initiate the preparation of an Environmental Impact Report (EIR) in accordance with CEQA for the proposed Los Angeles Union Station (LAUS) Forecourt and Esplanade Improvements (proposed project). The City of Los Angeles will be a cooperating agency since many of the improvements will take place within City jurisdiction.

Metro has also secured federal funds for the project which requires compliance with the National Environmental Policy Act (NEPA). The California Department of Transportation (Caltrans), acting on behalf of the Federal Highway Administration (FHWA) will serve as the Federal Lead Agency for the evaluation of the project. Consistent with the provisions of 23 Code of Federal Regulations §771.117, it is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

The proposed project includes improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Union Station Forecourt. The improvements include:

- On the east side of Alameda Street, a pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees);
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound;
- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations (this would eliminate one vehicle travel lane northbound on Alameda Street);
- Partial closure of Los Angeles Street at Alameda/El Pueblo;
- Changes to the northern driveway into Union Station from Alameda Street;
- Reconfiguration of the approximately 60-space parking lot into LAUS Forecourt as a civic space, sustainability components, and seating area;

- Reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo Historic Monument across Alameda Street and into Los Angeles Street; and
- El Pueblo tourist bus parking at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street.

This Notice of Preparation (NOP) provides information describing the proposed project, and the potential environmental effects. The EIR will describe the goals and objectives, baseline environmental conditions in the project study area, potential significant environmental effects associated with implementation of the proposed project, feasible mitigation measures, and alternatives. Metro is requesting input from government agencies, other organizations, and private citizens regarding the scope and content of the environmental information to be included in the EIR.

The purpose of this NOP is to notify agencies, organizations, and individuals that Metro plans to prepare a CEQA EIR, and a NEPA Categorical Exclusion for the proposed project, and to request input on the environmental analysis to be performed. From public agencies, Metro is requesting comments on the scope and content of the environmental information that is germane to each agency's statutory responsibilities with regards to the proposed project, including information that would be useful in characterizing the baseline conditions; potential direct, indirect, and cumulative impacts that should be considered; and feasible mitigation measures and alternatives that may be capable of avoiding or reducing the significant effects of the proposed project. Metro is also requesting interested individuals' or organizations' views on the scope of the environmental document.

PROJECT LOCATION

The proposed project is located adjacent to and within Los Angeles Union Station (LAUS), at 800 North Alameda Street, City of Los Angeles, California, 90012. LAUS is generally bounded by Highway 101 to the south, Alameda Street to the west, Cesar E. Chavez Avenue to the north, and Vignes Street to the east. The project area is generally bounded by Spring Street to the west, Cesar E. Chavez Avenue to the north, Alameda Street and Union Station Forecourt to the east and Arcadia Street to the south. Specific project elements are located on Alameda Street from Arcadia Street in the south to Cesar Chavez Street in the north, Arcadia Street from Alameda Street to Spring Street, Los Angeles Street from El Pueblo to Union Station, and the Union Station Forecourt area. Adjacent to the project to the west there is the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles Historical Monument at 125 Paseo De La Plaza, and the Avila Adobe Museum at 10 Olvera Street.

ADDITIONAL INFORMATION

There are two projects currently in the planning stages that are near the proposed project study area: the Link Union Station (Link US) project and the California High Speed Rail project (HSR) (Burbank to Los Angeles and Los Angeles to Anaheim Sections). The Link US and HSR projects are under consideration to accommodate forecasted ridership increases, improve rail efficiency, and provide additional transit options for regional and statewide travelers. Both Link US and HSR are independent projects and not a component of the proposed project. It is anticipated that separate environmental review for these projects will be undertaken concurrent with preparation of this EIR, and that the certification of those environmental

documents would likely occur after certification of this EIR. Therefore, the cumulative impact analysis in this EIR will consider Link US and HSR project components within the project study area, based on the preliminary planning studies that have been completed.

THE PROPOSED PROJECT

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking on the northwest corner (approximately 60 spaces) of the LAUS property to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade; reconfiguring the entrance from Union Station to the El Pueblo Historical Monument by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street; and repurposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo.

In addition to the above-mentioned improvements, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

Local Planning

The proposed project is located within two City of Los Angeles planning areas with Alameda Street as the boundary: Central City North Community Plan, and Central City Community Plan. The Central City North Community Plan includes the project areas west of Alameda Street, and the Central City Community Plan includes the project areas east of Alameda Street.

Central City North is bounded by the Los Angeles River to the east, the City of Vernon to the south, Alameda Street, Cesar Chavez Avenue, Sunset Boulevard, and Marview Avenue to the west, and Stadium Way, Lilac Terrace, and North Broadway to the north.

Adjacent to the Central City North Community Plan area is the Central City Community Plan area. The Central City Community Plan area is located south of Sunset Boulevard/Cesar Chavez Avenue, north of the Santa Monica Freeway, east of the Harbor Freeway, and west of Alameda Street. The area west of Alameda Street, including Los Angeles Street, lies within the project area.

PROBABLE ENVIRONMENTAL EFFECTS

The following topical areas will be analyzed in the Draft EIR: Aesthetics; Agriculture and Forestry Resources; Air Quality; Biological Resources; Cultural Resources; Geology and Soils; Greenhouse Gas Emissions; Hazards and Hazardous Materials; Hydrology and Water Quality; Land Use and Planning;

Mineral Resources; Noise; Population and Housing; Public Services; Recreation; Transportation and Traffic; Tribal Cultural Resources; Energy; and Utilities and Service Systems.

PUBLIC REVIEW PERIOD

Metro will make the NOP available for at least 30 days to allow for public review and comment pursuant to California Code of Regulations, Title 14, Section 15082(b). The comment period for the NOP begins on December 22, 2016, and ends on January 31, 2017.

RESPONSES AND COMMENTS

Please provide your written comments, including specific statutory responsibilities of your agency, as applicable. Written comments on the NOP and the content of the forthcoming Draft EIR should be submitted no later than Tuesday, January 31, 2017, at 5:00 PM. Please send your responses to Elizabeth Carvajal, as noted on the first page.

PUBLIC SCOPING MEETING

CEQA Section 15083 provides for a Lead Agency to consult directly with any person or organization it believes will be concerned with the environmental impacts of the project. Scoping has been helpful to agencies in identifying a range of alternatives, mitigation measures, and potential significant impacts to be analyzed in depth in the Draft EIR.

Metro proposes to host a public scoping meeting on Thursday, January 26, 2017 at 6:00 PM in Los Angeles Union Station, 800 N. Alameda Street, Los Angeles, California-Location: Historic Ticket Concourse - Immediately adjacent to the Information Desk, West Portal

Scoping materials will be available at the meeting and on the Metro website (www.metro.net/unionstation).

The format of the meeting will consist of a short presentation describing the proposed project, project objectives, and existing conditions.

Public input is anticipated via comment cards provided at the meeting, but Metro will also accept letters, and emails to the addresses noted above.

All Metro meetings are held in ADA accessible facilities. Spanish and Mandarin translation is provided. Other ADA accommodations and translations are available by calling 213.922.2499 at least 72 hours in advance. Metro requests public agencies' views on the scope and content of the environmental information relevant to your agency's statutory responsibilities. Please send your agency's written response by January 31, 2017, to the address indicated above.



Metro

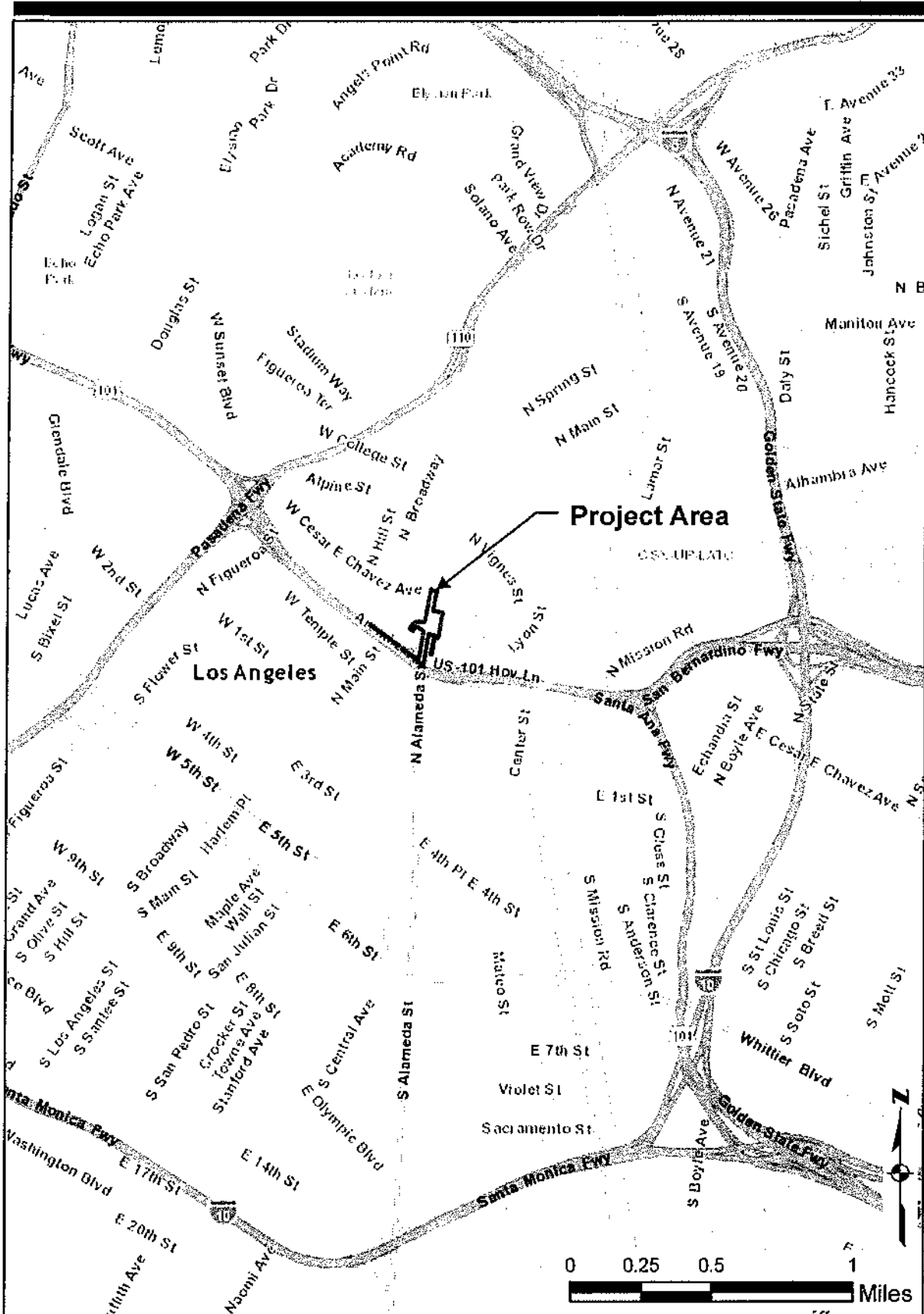


Figure 1. Vicinity Map



Metro

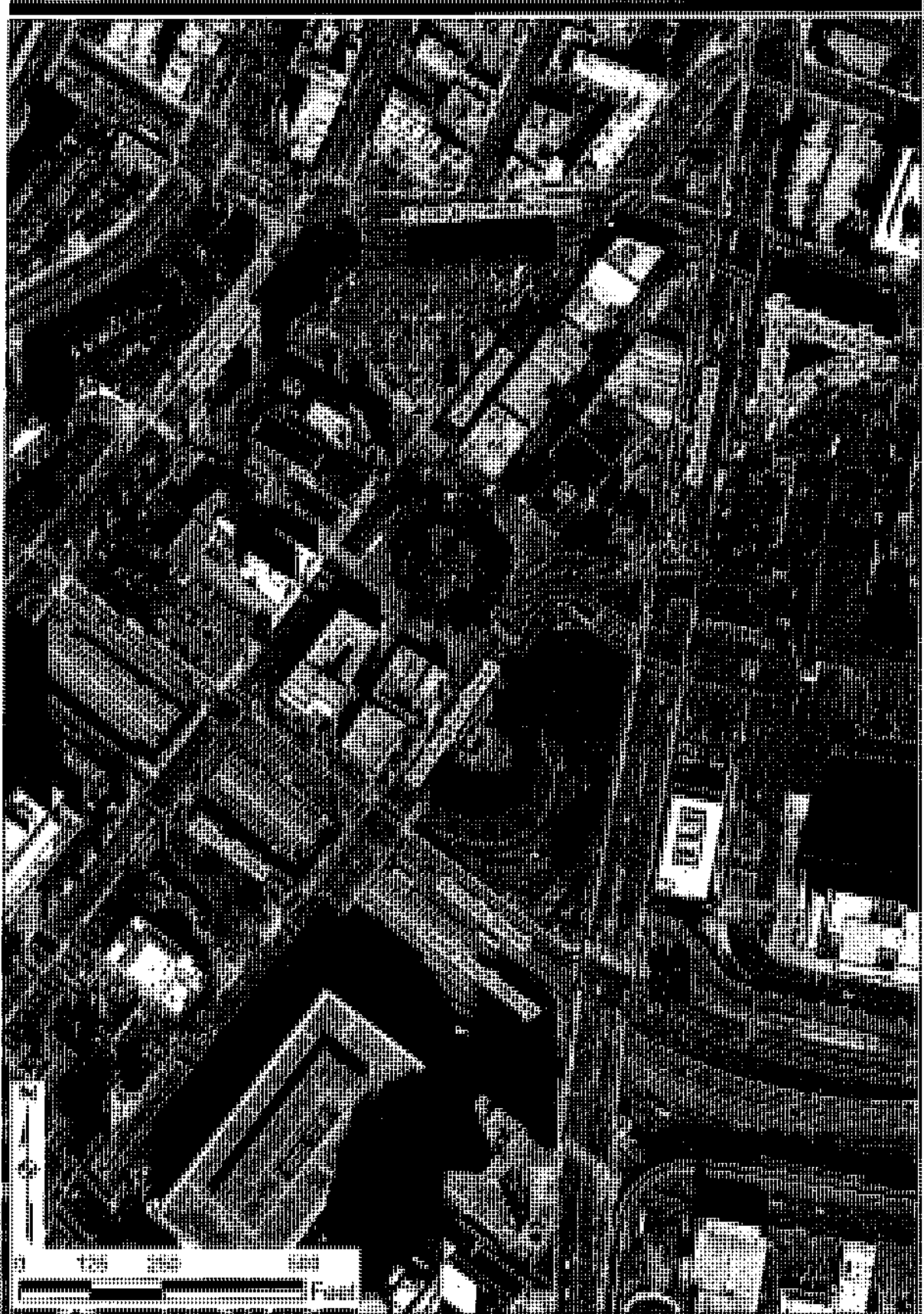
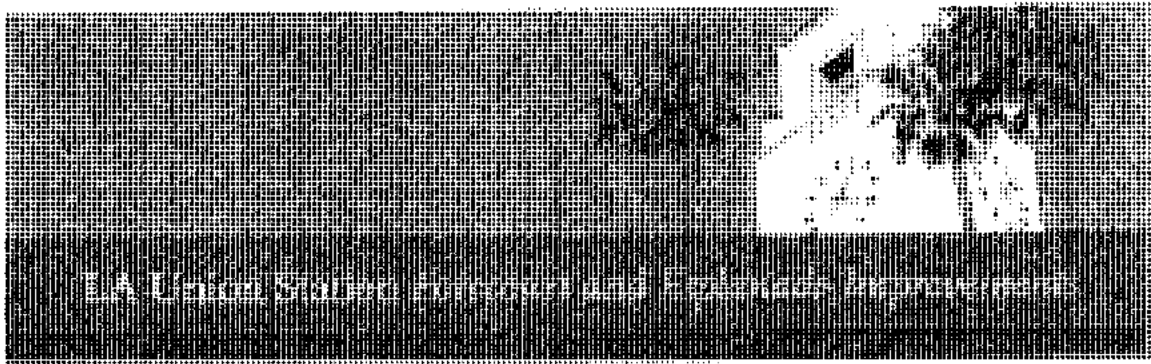


Figure 2. Project Area Map



Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名 :

ALEX BRIDEAU III

Organization / Organización / 組織名稱 :

(LOCAL RESIDENT)

Email or Mailing Address / Correo Electrónico o Dirección Postal /
電子郵件信箱或郵寄地址 :



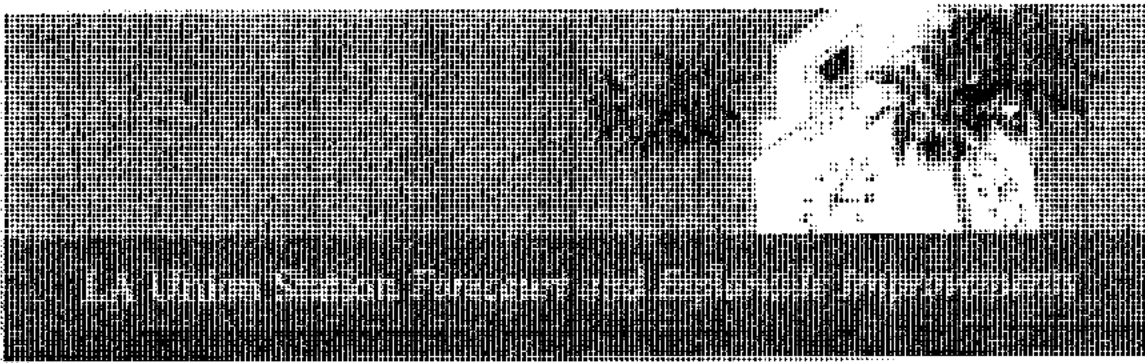
> WHEN INSTALLING SHADE TREES AND OTHER LANDSCAPING, CAN
BIOWALES AND STORMWATER-GATHERING TREE WELLS BE USED?

~~SEPARATE TREE PLANTING AND BIOWALES~~

> IMAGES SHOW THAT THE EXISTING CYCLETRACK ON LOS ANGELES ST
WILL BE CUT SHORT SOMEWHAT AS PART OF THIS PROJECT. WHAT CAN
BE DONE TO EXTEND THOSE CYCLETRACKS ALL THE WAY TO
ALAMEDA ST.

THANK YOU!



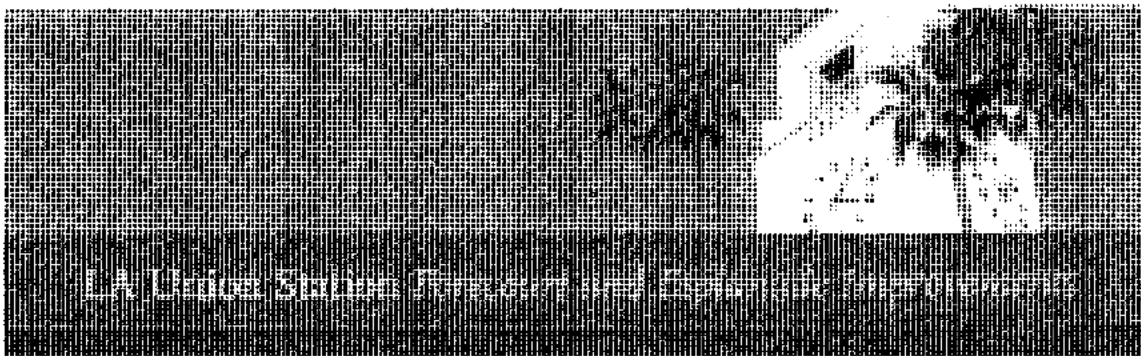


Environmental Impact Report (EIR)
Scoping Comment Sheet


Name / Nombre / 姓名 :
Michzel Aaron Hayward, II 1980 Male
Organization / Organización / 組織名稱 :
Los Angeles MATA Ventura Golf organization etc.
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址 :
Westside
[Redacted]

Good involvement and good
Contact etc.





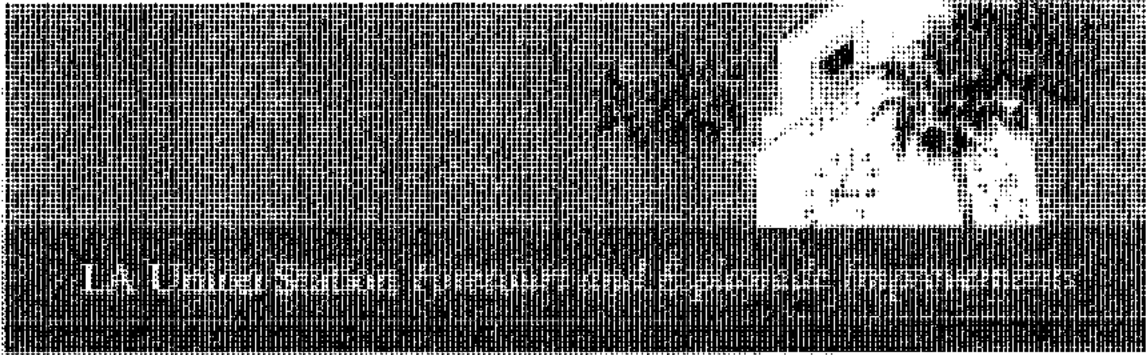
Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名: <i>Jim Shafer</i>
Organization / Organización / 組織名稱: <i>local resident</i>
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址: 

With regards to Alameda St. lane removal/re-striping, please improve ability to make left turn from southbound Alameda into entrance of express lane along freeway. It is now very difficult - A new left-turn arrow for such a purpose ~~is~~ may be necessary.

Thank you





Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名: Sisau Mac Adams
Organization / Organización / 組織名稱: Los Angeles Union Station Historical Society Board Member
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址: [REDACTED]

① Ten million dollars was spent by Metro on the Union Station Master Plan and all we get is one crosswalk on Alameda where there already is a crosswalk. The money could have been better spent building a bridge across Alameda and not changing the traffic pattern except for closing one lane of Los Angeles Street.

② Trees cannot be planted along the east side of Alameda because of the large 9-10 foot storm drain just below the surface.

(over)



③ Currently, there are two ~~sets of steps~~ leading public spaces directly across the street from Union Station, Placita de Delores and Father Sierra Park. Both are underutilized by the general public except for the homeless. Why do we need to take away the parking in front of Union Station for another park?

④ Alameda Street will go from seven lanes to five. Already the traffic backs up for blocks at rush hours and beyond. Emergency vehicles will not be able to navigate this bottleneck. This is a public safety issue and Metro should check with the Fire Department before making a bottleneck on Alameda St. No

Please submit written comments by January 31, 2017, to:

Por favor envíe sus comentarios por escrito antes del 31 de enero de 2017 a:

但仍愿意提供意见，请在 2017 年 1 月 31 日前将书面意见提交至：

need for
an EIR.

Elizabeth Carvajal
Senior Manager
Gerente de Planeación de Transporte
交通规划经理

LA Union Station Forecourt and Esplanade Improvements
Metro
One Gateway Plaza, MS 99-23-4
Los Angeles, CA 90012

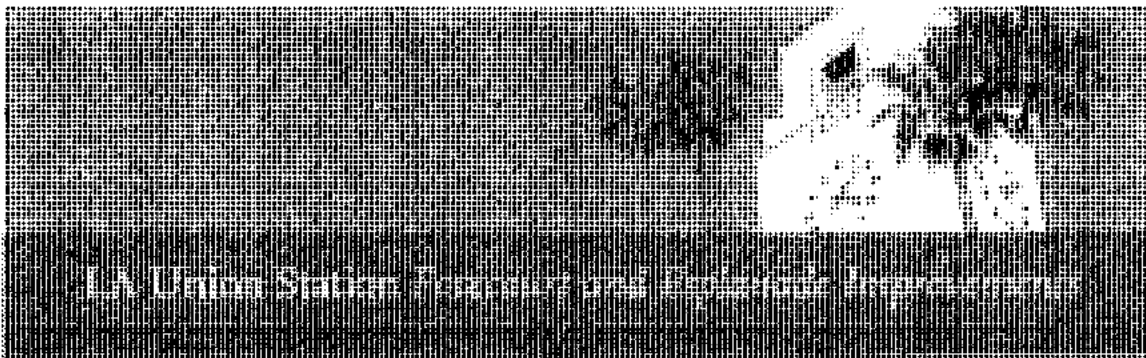
For more information
Para más información
如需更多信息，请访问
Phone: 213.922.3084
Email: CarvajalE@metro.net
Website: metro.net/unionstation

323-466-3876 x2
Español

323-466-3876 x3

한국어 日本語
中文 русский
Հայերեն తెలుగు
Tiếng Việt မြန်မာ

⑤ Will ~~we~~ Metro be removing any palm trees from in front of Union Station for this project?



Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名 :

TOM SAVIO

Organization / Organización / 組織名稱 :

LA UNION STATION HISTORICAL Soc.

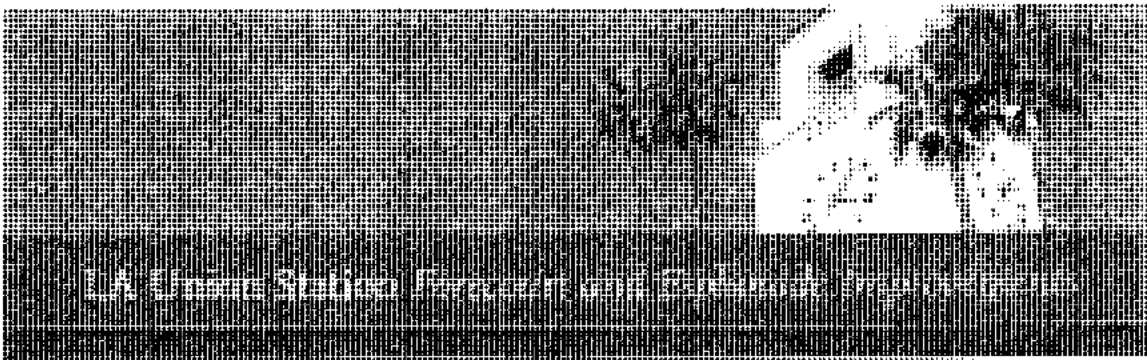
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電子郵件信箱或郵寄地址 :



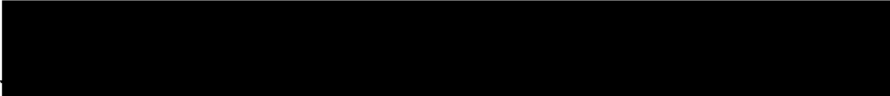
① PLEASE REMOVE THE BARRICADE OF TREES
IN THE FRONT OF US. THEY ARE NOT ORIGINAL
TO THE PLANS OF 1939 - THEY WERE PUT IN ABOUT
WHEN MOZAIK APARTMENTS WENT IN. THE BLOCK
THE VIEW OF THE BEAUTIFUL STATION
FRONT - OR "HEADHOUSE"

② CONSIDER A PED. BRIDGE OVER
ALAMEDA AND SAVE A LANE FOR
EMERGENCY SERVICES.





Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名: <i>Jason Cooper</i>
Organization / Organización / 組織名稱: <i>N/A</i>
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址: 

LA Union Station's bathrooms are ~~inadequate~~ inadequate. Union Station ~~needs~~ needs drinking fountains—you don't have enough.

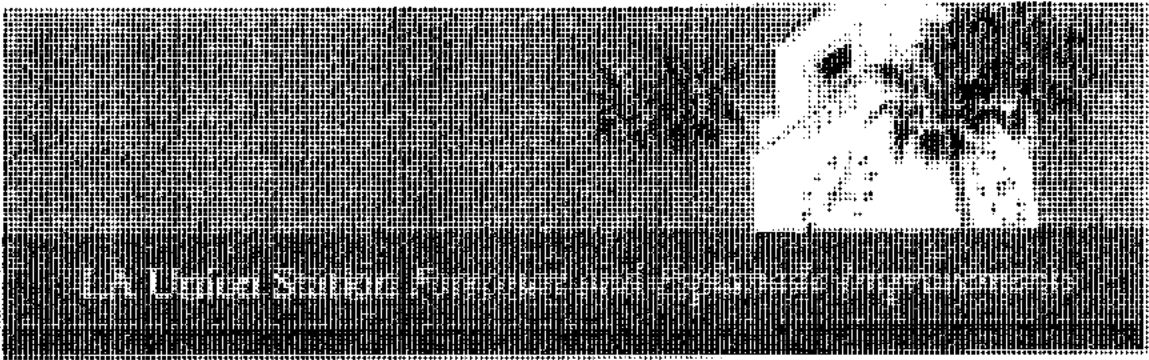
More urinals and toilets.

Drinking fountains—more and on the west side too.

Air filtration system in bathroom need improvement.

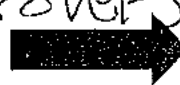
more urinals toilets!





Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名: John Bellinger
Organization / Organización / 組織名稱: The Mentor Group
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址: [Redacted]

1. Traffic analysis should assess impact of eliminating parking & relying on existing parking on the east side to handle the parking demands as the original east side parking was scaled to meet the demands for Metro & only part of the transit demand.
 2. What art & cultural features are being contributed by the project?
 3. Will the historic & archeological value of the site be assessed? i.e. what to do if excavation uncovers artifacts.
- 



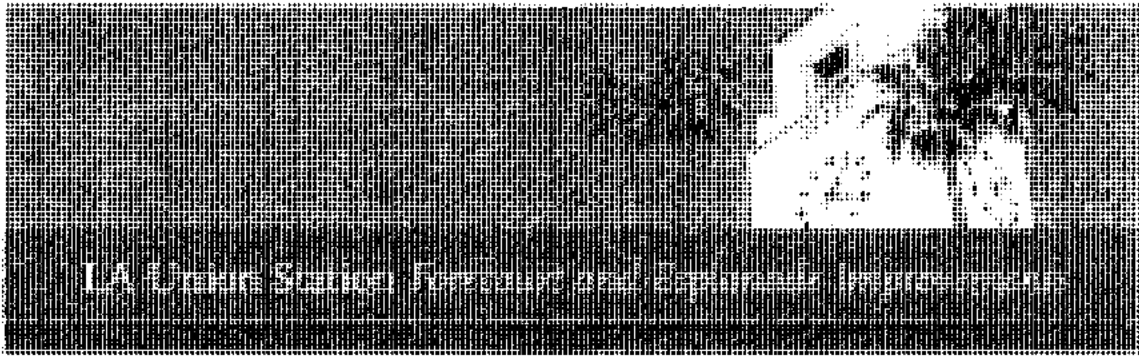
Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名： Kevin Burton
Organization / Organización / 組織名稱： West Hollywood Bicycle Coalition
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址： [REDACTED]



"Transportation"

Please include discussion of how the bicycle/pedestrian multi-use path on a widened sidewalk on the east side of Alameda St. would connect to other bicycle lanes nearby to Union Station. For example, will there be any infrastructure to facilitate bicycle traffic between the lanes at Los Angeles St. and Union Station?





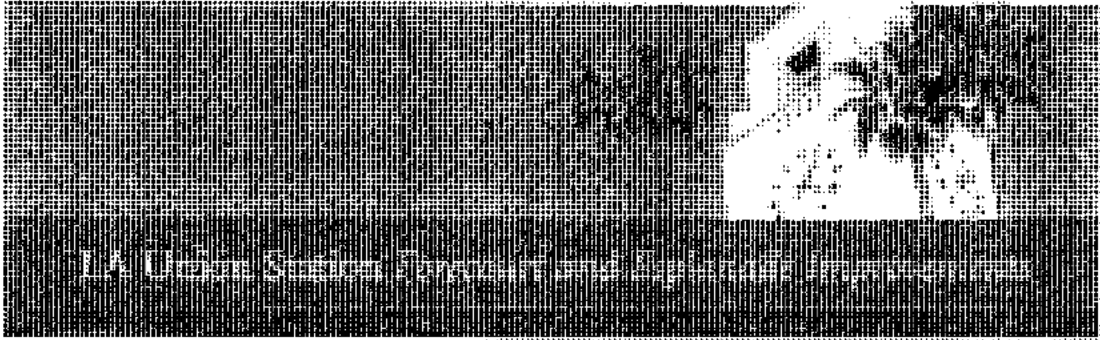
Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名：  KIKO Monreal
Organization / Organización / 組織名稱： N/A
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址： 

* You mentioned that the Civic Courtyard being used for seating and public events. What defines Public? Would this be an extension of the arts & culture programming you already offer at the Station? I'd personally love for it to be used for arts & culture, adding to the abundant artistry & culture in this Area. The music, ~~and~~ dance, and film screenings would be great in this new Civic Courtyard. ~~and~~

* Would this space be open for people outside of Metro and Union Station to rent out and use?





Environmental Impact Report (EIR)
Scoping Comment Sheet

Name / Nombre / 姓名: XAVIER GROBET
Organization / Organización / 組織名稱: RESIDENT
Email or Mailing Address / Correo Electrónico o Dirección Postal / 電子郵件信箱或郵寄地址: [REDACTED]

I like the idea of integrating the area with a more pedestrian approach, but if the idea of making Union Station be a transportation hub including the high speed train, I think the design does not consider the potential traffic ones the train is running.

The project doesn't seem to be prepared to receive large amounts of people in the future.



Williams, Marquis

From: Lee, Frances M@DOT <frances.lee@dot.ca.gov>
Sent: Wednesday, January 04, 2017 9:50 AM
To: Carvajal, Elizabeth
Subject: Question: LA Union Station Forecourt and Esplanade Improvements - NOP - documents available for review?
Attachments: 2016 12-21 Notice of Preparation from LACMTA.pdf
Importance: High

Hello Elizabeth,

We just received an NOP notice from the State Clearinghouse for the above-mentioned report. With the notice, it indicated that an Initial Study is not attached; However, there is a 6-page document attached (see the scanned file attached in this email).

We did go to the www.metro.net/unionstation to see if there is any materials, but we didn't find any. We just want to follow-up to see if there is an Initial Study document or any other documents available for us to review during this NOP circulation period? Thank you.

Best Regards,

Frances Lee
Associate Transportation Planner
Caltrans District 7, Division of Planning
Local Development-Intergovernmental Review (LD-IGR) Branch
100 South Main Street, MS#16, Los Angeles, CA 90012
Phone: 213-897-0673 | Fax: 213-897-1337
E-Mail: Frances.Lee@dot.ca.gov

NOTICE OF PREPARATION

FOR LOS ANGELES UNION STATION FORECOURT AND ESPLANADE IMPROVEMENTS ENVIRONMENTAL IMPACT REPORT

DATE: December 22, 2016

TO: All Interested Agencies, Organizations, and Individuals

SUBJECT: Notice of Preparation of Environmental Impact Report

PROJECT TITLE: The Los Angeles Union Station - Forecourt and Esplanade Improvements EIR

FROM: Los Angeles County Metropolitan Transportation Authority
Elizabeth Carvajal, Metro Senior Manager (telephone number 213-922-3084)
One Gateway Plaza, Mail Stop 99-23-4, Los Angeles, CA 90012
Email: CarvajalE@metro.net

The Los Angeles County Metropolitan Transportation Authority (Metro) will be the Lead Agency under the California Environmental Quality Act (CEQA) as amended (Public Resources Code, Section 21000-21178 and California Code of Regulations Title 14, Chapter 3 Section 15000-15387) and will initiate the preparation of an Environmental Impact Report (EIR) in accordance with CEQA for the proposed Los Angeles Union Station (LAUS) Forecourt and Esplanade Improvements (proposed project). The City of Los Angeles will be a cooperating agency since many of the improvements will take place within City jurisdiction.

Metro has also secured federal funds for the project which requires compliance with the National Environmental Policy Act (NEPA). The California Department of Transportation (Caltrans), acting on behalf of the Federal Highway Administration (FHWA) will serve as the Federal Lead Agency for the evaluation of the project. Consistent with the provisions of 23 Code of Federal Regulations §771.117, it is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

The proposed project includes improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Union Station Forecourt. The improvements include:

- On the east side of Alameda Street, a pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees);
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound;
- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations (this would eliminate one vehicle travel lane northbound on Alameda Street);
- Partial closure of Los Angeles Street at Alameda/El Pueblo;
- Changes to the northern driveway into Union Station from Alameda Street;
- Reconfiguration of the approximately 60-space parking lot into LAUS Forecourt as a civic space, sustainability components, and seating area;

- Reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo Historic Monument across Alameda Street and into Los Angeles Street; and
- El Pueblo tourist bus parking at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street.

This Notice of Preparation (NOP) provides information describing the proposed project, and the potential environmental effects. The EIR will describe the goals and objectives, baseline environmental conditions in the project study area, potential significant environmental effects associated with implementation of the proposed project, feasible mitigation measures, and alternatives. Metro is requesting input from government agencies, other organizations, and private citizens regarding the scope and content of the environmental information to be included in the EIR.

The purpose of this NOP is to notify agencies, organizations, and individuals that Metro plans to prepare a CEQA EIR, and a NEPA Categorical Exclusion for the proposed project, and to request input on the environmental analysis to be performed. From public agencies, Metro is requesting comments on the scope and content of the environmental information that is germane to each agency's statutory responsibilities with regards to the proposed project, including information that would be useful in characterizing the baseline conditions; potential direct, indirect, and cumulative impacts that should be considered; and feasible mitigation measures and alternatives that may be capable of avoiding or reducing the significant effects of the proposed project. Metro is also requesting interested individuals' or organizations' views on the scope of the environmental document.

PROJECT LOCATION

The proposed project is located adjacent to and within Los Angeles Union Station (LAUS), at 800 North Alameda Street, City of Los Angeles, California, 90012. LAUS is generally bounded by Highway 101 to the south, Alameda Street to the west, Cesar E. Chavez Avenue to the north, and Vignes Street to the east. The project area is generally bounded by Spring Street to the west, Cesar E. Chavez Avenue to the north, Alameda Street and Union Station Forecourt to the east and Arcadia Street to the south. Specific project elements are located on Alameda Street from Arcadia Street in the south to Cesar Chavez Street in the north, Arcadia Street from Alameda Street to Spring Street, Los Angeles Street from El Pueblo to Union Station, and the Union Station Forecourt area. Adjacent to the project to the west there is the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles Historical Monument at 125 Paseo De La Plaza, and the Avila Adobe Museum at 10 Olvera Street.

ADDITIONAL INFORMATION

There are two projects currently in the planning stages that are near the proposed project study area: the Link Union Station (Link US) project and the California High Speed Rail project (HSR) (Burbank to Los Angeles and Los Angeles to Anaheim Sections). The Link US and HSR projects are under consideration to accommodate forecasted ridership increases, improve rail efficiency, and provide additional transit options for regional and statewide travelers. Both Link US and HSR are independent projects and not a component of the proposed project. It is anticipated that separate environmental review for these projects will be undertaken concurrent with preparation of this EIR, and that the certification of those environmental

documents would likely occur after certification of this EIR. Therefore, the cumulative impact analysis in this EIR will consider Link US and HSR project components within the project study area, based on the preliminary planning studies that have been completed.

THE PROPOSED PROJECT

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking on the northwest corner (approximately 60 spaces) of the LAUS property to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade; reconfiguring the entrance from Union Station to the El Pueblo Historical Monument by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street; and repurposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo.

In addition to the above-mentioned improvements, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

Local Planning

The proposed project is located within two City of Los Angeles planning areas with Alameda Street as the boundary: Central City North Community Plan, and Central City Community Plan. The Central City North Community Plan includes the project areas west of Alameda Street, and the Central City Community Plan includes the project areas east of Alameda Street.

Central City North is bounded by the Los Angeles River to the east, the City of Vernon to the south, Alameda Street, Cesar Chavez Avenue, Sunset Boulevard, and Marview Avenue to the west, and Stadium Way, Lilac Terrace, and North Broadway to the north.

Adjacent to the Central City North Community Plan area is the Central City Community Plan area. The Central City Community Plan area is located south of Sunset Boulevard/Cesar Chavez Avenue, north of the Santa Monica Freeway, east of the Harbor Freeway, and west of Alameda Street. The area west of Alameda Street, including Los Angeles Street, lies within the project area.

PROBABLE ENVIRONMENTAL EFFECTS

The following topical areas will be analyzed in the Draft EIR: Aesthetics; Agriculture and Forestry Resources; Air Quality; Biological Resources; Cultural Resources; Geology and Soils; Greenhouse Gas Emissions; Hazards and Hazardous Materials; Hydrology and Water Quality; Land Use and Planning;

Mineral Resources; Noise; Population and Housing; Public Services; Recreation; Transportation and Traffic; Tribal Cultural Resources; Energy; and Utilities and Service Systems.

PUBLIC REVIEW PERIOD

Metro will make the NOP available for at least 30 days to allow for public review and comment pursuant to California Code of Regulations, Title 14, Section 15082(b). The comment period for the NOP begins on December 22, 2016, and ends on January 31, 2017.

RESPONSES AND COMMENTS

Please provide your written comments, including specific statutory responsibilities of your agency, as applicable. Written comments on the NOP and the content of the forthcoming Draft EIR should be submitted no later than Tuesday, January 31, 2017, at 5:00 PM. Please send your responses to Elizabeth Carvajal, as noted on the first page.

PUBLIC SCOPING MEETING

CEQA Section 15083 provides for a Lead Agency to consult directly with any person or organization it believes will be concerned with the environmental impacts of the project. Scoping has been helpful to agencies in identifying a range of alternatives, mitigation measures, and potential significant impacts to be analyzed in depth in the Draft EIR.

Metro proposes to host a public scoping meeting on Thursday, January 26, 2017 at 6:00 PM in Los Angeles Union Station, 800 N. Alameda Street, Los Angeles, California-Location: Historic Ticket Concourse - Immediately adjacent to the Information Desk, West Portal

Scoping materials will be available at the meeting and on the Metro website (www.metro.net/unionstation).

The format of the meeting will consist of a short presentation describing the proposed project, project objectives, and existing conditions.

Public input is anticipated via comment cards provided at the meeting, but Metro will also accept letters, and emails to the addresses noted above.

All Metro meetings are held in ADA accessible facilities. Spanish and Mandarin translation is provided. Other ADA accommodations and translations are available by calling 213.922.2499 at least 72 hours in advance. Metro requests public agencies' views on the scope and content of the environmental information relevant to your agency's statutory responsibilities. Please send your agency's written response by January 31, 2017, to the address indicated above.



Metro

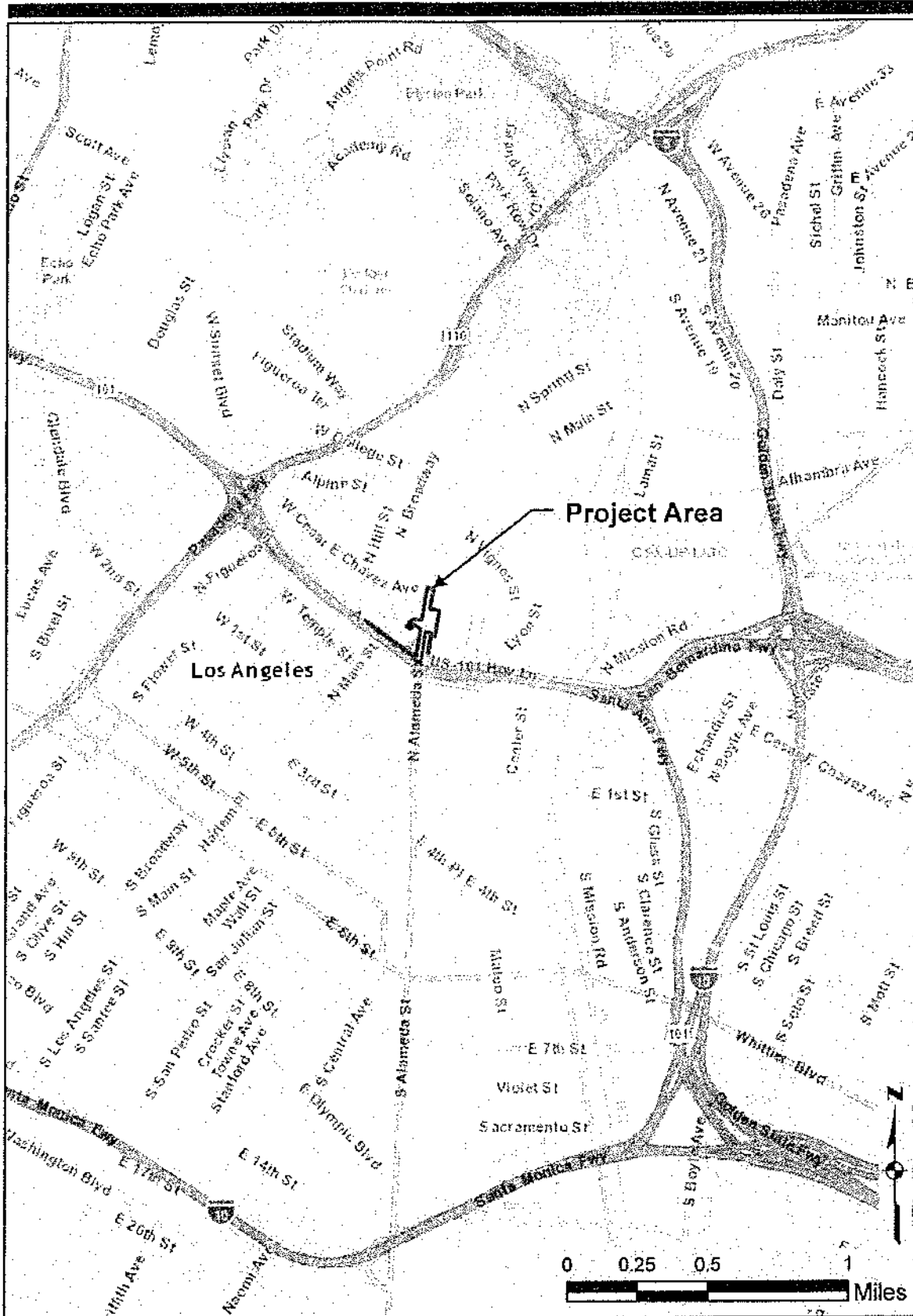


Figure 1. Vicinity Map



Metro

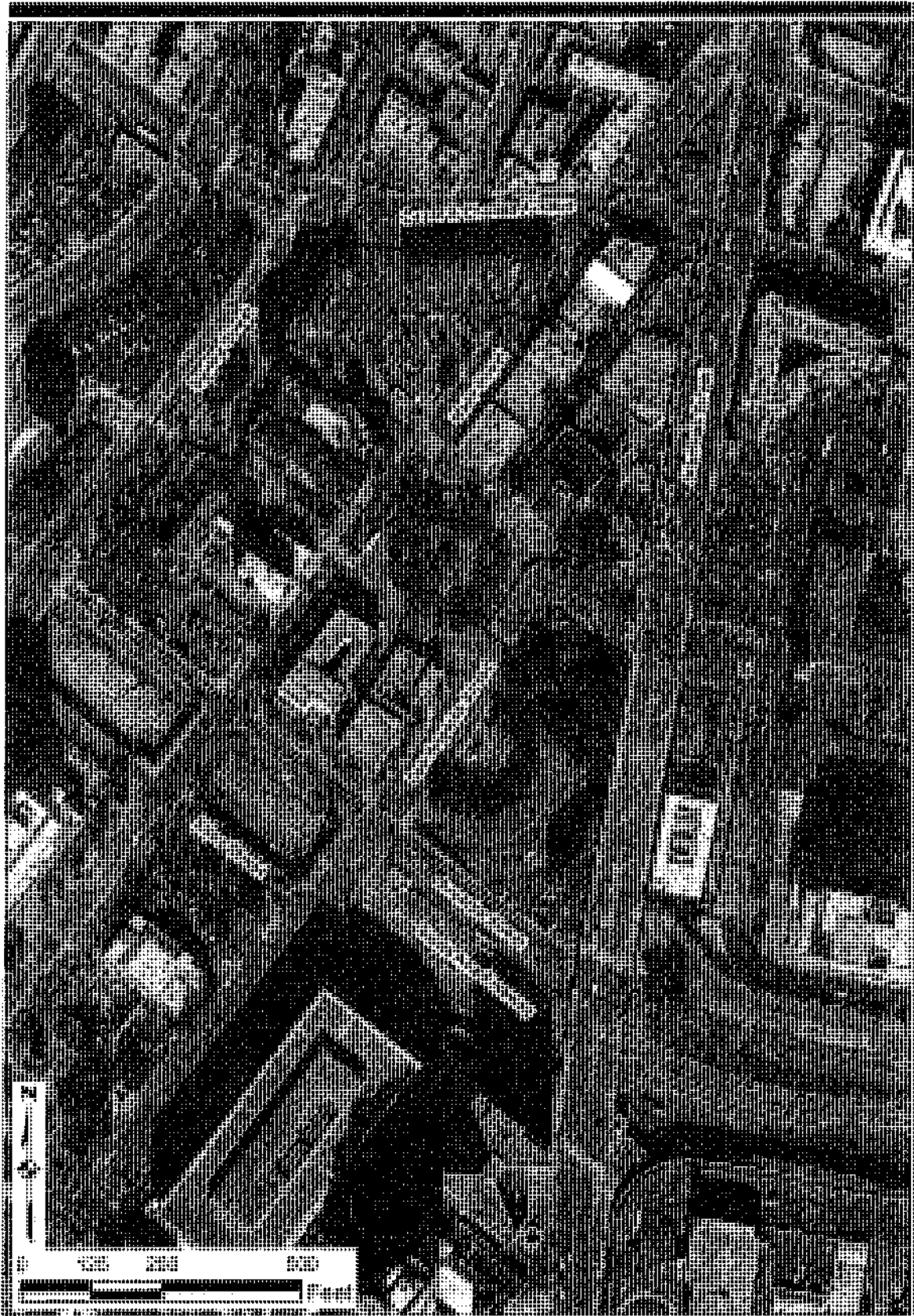


Figure 2. Project Area Map

Williams, Marquis

From: Jody Labb <jody@marktessier.com>
Sent: Tuesday, January 10, 2017 1:00 PM
To: Carvajal, Elizabeth
Subject: Re: LAUS Forecourt and Esplanade Improvements Project Scoping Meeting

Follow Up Flag: Follow up
Flag Status: Completed

Thank you for your quick response, Elizabeth.

Jody

Mark Tessier
— Landscape
Architecture ^{Inc}

1424 4th Street, Third Floor
Santa Monica, CA 90401

Tel — 310 395 3595
marktessier.com

From: "Carvajal, Elizabeth" <CarvajalE@metro.net>
Date: Tuesday, January 10, 2017 at 11:52 AM
To: Jody <jody@marktessier.com>
Subject: RE: LAUS Forecourt and Esplanade Improvements Project Scoping Meeting

Jody,
No, we do not have a design team on board yet.
Best,
Elizabeth

From: Jody Labb [mailto:jody@marktessier.com]
Sent: Tuesday, January 10, 2017 11:40 AM
To: Carvajal, Elizabeth
Subject: LAUS Forecourt and Esplanade Improvements Project Scoping Meeting

Elizabeth,
I am just learning about Metro's Scoping Meeting for Union State Forecourt and Esplanade. Is there a landscape architecture firm already working with you on this?

Thank you for your time.

Jody Labb

Mark Tessier
— Landscape
Architecture ^{Inc}

1424 4th Street, Third Floor
Santa Monica, CA 90401

Tel — 310 395 3595
marktessier.com

Williams, Marquis

From: Struhl, Mine@DOT <mine.struhl@dot.ca.gov>
Sent: Friday, January 06, 2017 10:04 AM
To: Carvajal, Elizabeth
Cc: Novotny, Steve J@DOT
Subject: FW: For Your Distribution: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th

Hi Elizabeth,

Reading the invitation below, it appears that we are the NEPA lead on this project. I'm having trouble locating it. When was it submitted to us and who from Caltrans is assigned to it?

Thank you.

Mine Struhl
Acting Office Chief
District 7 Regional Planning
213-897-0409

Caltrans Mission: Provide a safe, sustainable, integrated, and efficient transportation system to enhance California's economy and livability.

Caltrans Vision: A performance-driven, transparent, and accountable organization that values its people, resources and partners, and meets new challenges through leadership, innovation, and teamwork.

From: "Lam, Brian" <LamB@metro.net>
Date: January 5, 2017 at 5:24:26 PM PST
Cc: "Keiner, Bronwen" <KeinerB@metro.net>, "Carvajal, Elizabeth" <CarvajalE@metro.net>
Subject: **FW: For Your Distribution: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th**

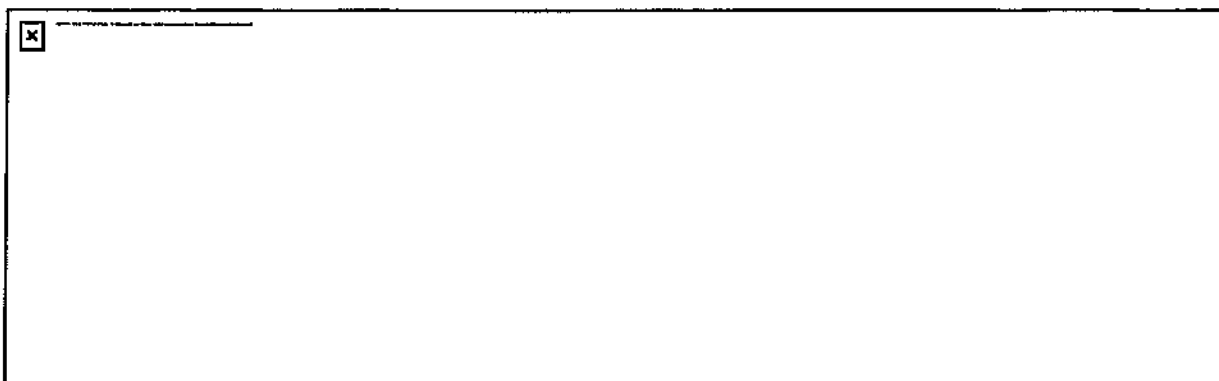
To all TAC members,

Please see below for information on the LA Union Station Forecourt and Esplanade Improvements Scoping Meeting on January 26, 2017.

Thank you,

Brian Lam
LA Metro
Sr. Transportation Planner
Subregional Planning
213.922.3077
metro.net | facebook.com/losangelesmetro | [@metrolosangeles](https://twitter.com/metrolosangeles)
Metro provides excellence in service and support.

Learn about what's next for Union Station!



Scoping Meeting
Thursday, January 26, 2017, 6-8pm

Español
中文

We want your input!

Metro has initiated the environmental clearance process [California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)] for the Los Angeles Union Station Forecourt and Esplanade Improvements project. This project will enhance pedestrian and bicycle access to and from Los Angeles Union Station, and reestablish the connection between the station and surrounding communities.

Metro has secured Active Transportation Program grant funds that contain federal monies, which triggers the requirement for compliance with NEPA. The California Department of Transportation, acting on behalf of the Federal Highway Administration will serve as the Federal Lead Agency. Consistent with the provisions of 23 Code of Federal Regulations §771.117, it is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

We are seeking your input! Please join us to learn more about the overall project and provide your feedback on the scope and content of the environmental documents.

LAUS Forecourt and Esplanade Improvements
Project Scoping Meeting
Thursday, January 26, 2017, 6 – 8pm
Los Angeles Union Station
Historic Ticketing Concourse
800 North Alameda St
Los Angeles, CA 90012

Williams, Marquis

From: Daniel G. Miller <danielgmiller1@aol.com>
Sent: Thursday, January 05, 2017 11:00 PM
To: Carvajal, Elizabeth
Subject: Re: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th

Thanks for email. I will attend the Jan 26 meeting in Union Station. Daniel Miller

-----Original Message-----

From: LA Union Station Forecourt & Esplanade Improvements Project
To: danielgmiller1
Sent: Thu, Jan 5, 2017 4:56 pm
Subject: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th

Scoping Meeting Thursday, January 26, 2017, 6-8pm

[Español](#)
[中文](#)

We want your input!

Metro has initiated the environmental clearance process [California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)] for the Los Angeles Union Station Forecourt and Esplanade Improvements project. This project will enhance pedestrian and bicycle access to and from Los Angeles Union Station, and reestablish the connection between the station and surrounding communities.

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We are seeking your input! Please join us to learn more about the overall project and provide your feedback on the scope and content of the environmental documents.

**LAUS Forecourt and Esplanade Improvements
Project Scoping Meeting
Thursday, January 26, 2017, 6 – 8pm**
Los Angeles Union Station
Historic Ticketing Concourse
800 North Alameda St

Los Angeles, CA 90012

Parking is available in the Metro Headquarters underground garage for \$8. Plan your trip at metro.net or by calling 323.GO.METRO.

All Metro meetings are held in ADA accessible facilities. Spanish and Mandarin translation provided. Other ADA accommodations and translations available by calling 213.922.2499 at least 72 hours in advance.

The scoping materials for the project will be available at the meeting and at metro.net/unionstation. If you are not able to attend in person and would still like to provide a comment, please submit written comments by January 31, 2017, to:

Elizabeth Carvajal, Senior Manager
LAUS Forecourt and Esplanade Improvements
Metro
One Gateway Plaza, MS 99-23-4
Los Angeles, CA 90012

For more information:
Phone: 213.922.3084
Email: carvajale@metro.net
Website: metro.net/unionstation

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Bus & Rail Transit Information
323.GO.METRO (323.466.3876)
6:30am - 7pm (Monday - Friday)
8:00am - 4:30pm (Saturday/Sunday)

Williams, Marquis

From: Christian Frere <frere2@sbcglobal.net>
Sent: Thursday, January 05, 2017 7:18 PM
To: Carvajal, Elizabeth
Subject: RE: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th

Thank you. But I not a specialist in this field.

Christian Frere

From: LA Union Station Forecourt & Esplanade Improvements Project [mailto:carvajale@metro.net]
Sent: Thursday, January 05, 2017 4:57 PM
To: frere2@sbcglobal.net
Subject: Invitation to LA Union Station Forecourt & Esplanade Improvements Scoping Meeting, January 26th

Learn about what's next for Union Station!

▪

Scoping Meeting
Thursday, January 26, 2017, 6-8pm

[Español](#)
[中文](#)

We want your input!

Metro has initiated the environmental clearance process [California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)] for the Los Angeles Union Station Forecourt and Esplanade Improvements project. This project will enhance pedestrian and bicycle access to and from Los Angeles Union Station, and reestablish the connection between the station and surrounding communities.

Metro has secured Active Transportation Program grant funds that contain federal monies, which triggers the requirement for compliance with NEPA. The California Department of Transportation, acting on behalf of the Federal Highway Administration will serve as the Federal Lead Agency. Consistent with the provisions of 23 Code of Federal Regulations §771.117, it is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

We are seeking your input! Please join us to learn more about the overall project and provide your feedback on the scope and content of the environmental documents.

LAUS Forecourt and Esplanade Improvements

Project Scoping Meeting

Thursday, January 26, 2017, 6 – 8pm

Los Angeles Union Station
Historic Ticketing Concourse
800 North Alameda St
Los Angeles, CA 90012

Parking is available in the Metro Headquarters underground garage for \$8. Plan your trip at metro.net or by calling 323.GO.METRO.

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The scoping materials for the project will be available at the meeting and at metro.net/unionstation. If you are not able to attend in person and would still like to provide a comment, please submit written comments by January 31, 2017, to:

Elizabeth Carvajal, Senior Manager
LAUS Forecourt and Esplanade Improvements
Metro
One Gateway Plaza, MS 99-23-4
Los Angeles, CA 90012

For more information:
Phone: 213.922.3084
Email: carvajale@metro.net
Website: metro.net/unionstation

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323.GO.METRO (323.466.3876)

6:30am - 7pm (Monday - Friday)

8:00am - 4:30pm (Saturday/Sunday)



This email has been checked for viruses by Avast antivirus software.
www.avast.com

Williams, Marquis

From: Martinez, Severin@DOT <Severin.Martinez@dot.ca.gov>
Sent: Friday, January 27, 2017 4:06 PM
To: Carvajal, Elizabeth
Subject: RE: Union Station Esplanade Inquiry
Attachments: LA_St.PNG

Follow Up Flag: Follow up
Flag Status: Flagged

Hi,

Thanks for the clarification regarding how the space should be navigated by bicycle users. The expectation that bicycle users will/should dismount raises some concern based on existing experience. I understand the hope is that bicycle users will dismount but unless the area is heavily policed, I suspect (for better or for worse) people will continue to ride through the plaza. Do you think it would be possible to consider a design that incorporates a formal bikeway connecting to the existing Los Angeles St facility? This might make the connection between Los Angeles St and the Alameda esplanade more intuitive and safer for bicycle users as it reduces ambiguity about how they should behave and where they belong. This is especially true since as currently proposed, the plan removes existing bicycle infrastructure without replacing it in any form.

Attached is a general idea of what I'm referring to via StreetMix. What do you think?

Severin

From: Carvajal, Elizabeth [<mailto:CarvajalE@metro.net>]
Sent: Wednesday, January 25, 2017 3:55 PM
To: Martinez, Severin@DOT
Subject: RE: Union Station Esplanade Inquiry

Severin,
Apologies for the delayed response. The Alameda Esplanade will include a shared, multi-use path for pedestrians and bicyclists on the east side of Alameda. The Los Angeles crossing will have a dedicated bike cross on the raised crossing. However, bicyclists travelling to/from Alameda from the Los Angeles cycle track will be navigating shared space through El Pueblo and so should disembark from their bicycle until they cross Los Angeles Street to the cycle track.

Best,
Elizabeth

From: Martinez, Severin@DOT [<mailto:Severin.Martinez@dot.ca.gov>]
Sent: Friday, January 20, 2017 10:23 AM
To: Carvajal, Elizabeth
Subject: Union Station Esplanade Inquiry

Dear Ms. Carvajal,

My name is Severin, we briefly spoke on the phone regarding the Alameda/Union Station Esplanade, I greatly appreciate you helping clarify some confusion I had when looking at the powerpoint with renderings. Although I am not the lead reviewer for this project, I am helping provide input with special attention to active transportation elements.

Specifically I am interested in how bicycle infrastructure will be incorporated and how bicycle users will transition to/from existing Class IV protected bikeway on Los Angeles Street. I notice there is dedicated space for bicycle users to use the proposed elevated crossing on Alameda Street however it's unclear how one would transition to existing bikeway on Los Angeles Street and connect to Civic Center. Will southbound bicycle users navigate a "shared space" setting and bypass proposed bollards to connect to the Class IV facility on Los Angeles Street? Will northbound bicycle users on Los Angeles Street make a left to access the new plaza and use the raised crossing? These types of details can be difficult and lengthy to articulate in written form but I hope you have some idea of what I am referring to and maybe sometime today or next week on Monday we can talk through this issue.

Thank you for your assistance and I look forward to hearing from you

Severin

Severin Martinez

Transportation Planner
Local Development/Intergovernmental Review Branch
Caltrans District 7
(213)-897-0067

Williams, Marquis

From: Niall Huffman <[REDACTED]>
Sent: Friday, January 27, 2017 3:18 PM
To: Carvajal, Elizabeth
Subject: Union Station Forecourt and Esplanade Improvements Project

Follow Up Flag: Follow up
Flag Status: Flagged

Ms. Carvajal,

Thank you for the opportunity to comment on the environmental scoping for the Union Station Forecourt and Esplanade Improvements Project. Overall, I support the project and welcome the enhancements it will bring in terms of safety, aesthetics, mobility, and urban design. I am concerned, however, about the proposed removal of the existing southbound bicycle lane on Los Angeles Street.

The existing southbound bike lane is well-used by bicyclists traveling from Union Station into the Civic Center and other parts of Downtown Los Angeles. It serves as a convenient way for Union Station patrons to make a quick last-mile connection to their destination, especially now that Metro Bike Share is up and running with a station just steps from Alameda St.

The project's proposed solution, in which bicyclists walk their bikes through the new/extended pedestrian plaza, is in my opinion unworkable and will be inconsistent with the City of Los Angeles' adopted plans regarding alternative transportation modes. At the very least, its potential impacts should be carefully analyzed and, to the extent possible, mitigated by including a southbound bicycle lane or path in the project.

If the southbound bicycle lane is removed, at least some bicyclists will choose not to take the extra time to walk their bikes through the plaza, and will exercise their right under California Vehicle Code Section 21200 to ride in the southbound traffic lane. This will expose them to safety risks from sharing a lane with automobile traffic - risks to which they are not currently exposed. If bicyclists choose to walk their bikes through the plaza, they will experience an inconvenience that they do not currently have to endure, in the form of the extra time and effort needed to dismount, walk, and remount their bicycles.

I note that Policy 2.6 of the City of Los Angeles' Mobility Plan 2035 states that it will be the policy of the City to "[p]rovide safe, convenient and comfortable local and regional bicycling facilities for people of all types and abilities." A design that results in bicyclists sharing traffic lanes with automobiles to avoid an inconvenience is less safe than current conditions, and a design that forces bicyclists to dismount their bikes in order to stay safe is less convenient than current conditions. Arguably, both options are less comfortable than current conditions.

I request that the analysis address the potential impact created by the project's inconsistency with the Mobility Plan policy referenced above, and that mitigation measures and/or design changes, including but not limited to the incorporation of a southbound Los Angeles Street bicycle lane into the project, be contemplated.

If you have any questions or need more information, please feel free to contact me at this email address. Thank you for your consideration.

Niall Huffman

Los Angeles, CA 90029

Williams, Marquis

From: k f [REDACTED]
Sent: Monday, January 30, 2017 11:58 AM
To: Carvajal, Elizabeth
Subject: No mandatory dismount zone connector to Union Station

Metro cannot be serious proposing removing the southbound bike lane on Los Angeles St and creating a mandatory dismount and walk your bike zone.

This proposed policy goes directly against Los Angeles's efforts to get more people out of cars and walking and biking to transit by making biking connections to Union Station (a critical connector for transit users) even more onerous.

Cyclists already have to contend with the speedway that is Alameda.

Dismount zones (and removal of one of the few protected bike lanes on Los Angeles street!) don't work. People biking to Union Station need better bike lane connections to Union Station not worse.

No, no, no, no, no, no, no, no, no on proposed dismount zone.

Seriously worsening the bike lane connections to Union Station is not the answer.

I can't believe I even have to write you this.

K Fanslow

Williams, Marquis

From: David Barboza [REDACTED]
Sent: Thursday, January 19, 2017 11:09 AM
To: Carvajal, Elizabeth
Subject: Los Angeles Union Station Forecourt and Esplanade Improvements

Ms. Carvajal,

I am writing to express my support for Metro's proposed upgrades to Union Station and some of the surrounding streets, specifically I support:

- The narrowing of Alameda and Los Angeles Streets, to make them more pedestrian friendly and safer.
- Replacing the western surface parking lot with a public plaza

--
David J. Barboza
[REDACTED]

Williams, Marquis

From: Nick Sundback [REDACTED]
Sent: Thursday, January 19, 2017 1:23 PM
To: Carvajal, Elizabeth
Subject: Comment on Union Station Forecourt Improvements Project

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Ms. Carvajal,

I am writing in support of the proposed changes to the front of Union Station along Alameda Street. I hope it will create a public space that will welcome visitors to downtown LA, accommodate large numbers of tourists and pedestrians, and tie into improvements making it easier to transfer from Metro Rail and Metrolink to the Metro Silver Line and Foothill Silver Streak.

Sincerely,
Nick

Williams, Marquis

From: Keith Pluymers [REDACTED]
Sent: Saturday, January 28, 2017 7:20 AM
To: Carvajal, Elizabeth
Subject: Opposition to proposed changes to bicycle access in Union Station Forecourt & Esplanade Improvements Plan

Greetings,

I'm writing to express my profound discontent with the inclusion of mandatory dismount zones in the proposed redesign of Union Station's forecourt. Dismount zones are ineffective and likely to create conflicts between people walking and people on bikes.

Instead, I'd propose a solution seemingly much more in keeping with the goals of an organization ostensibly committed to providing mass transit, including bike share, to Angelenos. There are two mixed-traffic lanes on the NB side of Los Angeles in the proposed redesign. Remove one of those lanes and use the 12' saved for a dedicated bike facility between the edge of the pedestrian plaza and the tour bus drop off zone. This solution would eliminate potential conflicts between people walking and cycling and reduce crossing distances from Union Station to the plaza.

The currently proposed option reduces access for people on bikes directly adjacent to a Metro bikeshare station.

I hope Metro will reconsider the design.

Sincerely,
Keith Pluymers
LA Resident and frequent user of Metro

Williams, Marquis

From: michael macdonald [REDACTED]
Sent: Friday, January 27, 2017 6:25 PM
To: Carvajal, Elizabeth
Subject: Union Station Forecourt and Esplanade Improvements Project

Ms. Carvajal,

Thank you for the opportunity to comment on the Union Station Forecourt and Esplanade Plan. Overall, I support the project and appreciate the safety and aesthetic improvements that are proposed, particularly the improvements to the pedestrian access to Union Station and El Pueblo.

I am concerned, however, at the proposal as shown on the Final ConnectUS Action Plan. The plan shows elimination of existing bike lanes on Los Angeles Street (page 48), adjacent to El Pueblo and Father Serra Park. The plan further calls for a zone where people on bikes are required to dismount their bikes. This configuration increases the amount of pedestrian/cyclist conflicts, and hampers comfortable and convenient access to Union Station for people on bikes.

I strongly urge Metro to reconsider this layout, and provide a solution that provides safe and convenient access for all modes, but especially vulnerable road users like pedestrians and people on bikes.

Kind regards,

Michael MacDonald
90065

Williams, Marquis

From: Carvajal, Elizabeth
Sent: Monday, January 30, 2017 12:10 PM
To: 'David Louie'
Cc: Hornstock, Jenna; 'John Echeveste'; Chris Espinosa; Robert Vinson; Bradley Cox
Subject: RE: Follow up - Connect US and LAUS Materials
Attachments: Alameda Esplanade and Los Angeles Crossing 1 30 17.pdf

Commissioner Louie,

Please refer to the attached plans. Please refer to the Alameda Esplanade illustration for the proposed improvements on Alameda Street and refer to the Los Angeles Crossing illustration for the consolidated crossing and improvements on Los Angeles Street. Please let me know if you have any questions.

Thank you,
Elizabeth

From: David Louie [REDACTED]
Sent: Monday, January 30, 2017 8:11 AM
To: Hornstock, Jenna
Cc: Carvajal, Elizabeth; John Exheveste; Christopher Espinosa; Robert Vinson; Sal DiCostanzo; Bradley Cox
Subject: Re: Follow up - Connect US and LAUS Materials

Jenna,

Happy New Year and best wishes for you and yours as we head into the Year of the Rooster. Would you send me an electronic copy of the rendering showing the connection from Union Station to Father Serra Park?

Best regards,

David

On Jan 25, 2017, at 10:33 AM, Hornstock, Jenna <HornstockJ@metro.net> wrote:

Commissioner Louie,

Thank you for the detailed comments and for the follow up conversation we had yesterday. I am going to respond to each comment/concern, but I first want to note two important things:

- (1) Metro and the El Pueblo Commission share the same goals - we want to see strong bike and pedestrian connections from Union Station and El Pueblo to surrounding communities and we want those to happen as soon as possible. The impetus for the Connect US Action Plan was to create a network of connected bike and pedestrian routes that link transit to destinations such as job centers, housing and cultural destinations. The plan was developed with the express knowledge that we will not be able to implement all of the projects at once, as we have to seek funding for each project (along with a lot of interagency and stakeholder coordination). Many of your comments express concern about what parts of the plan are not being implemented/designed at this first stage - we appreciate and share your enthusiasm for

implementation as fast as possible, but we simply cannot do it all at once, and certainly not alone.

- (2) That notion brings us to the second critical idea – we need a strong and committed partnership with the City, and El Pueblo in particular, to make the Connect US Plan a reality. In earlier conversations we had mentioned our commitment (and Metro Board direction) to form an Exploratory Task Force that would pursue coordination of activities around LAUS and the Civic Center. We have been reaching out to the City to pass a complimentary motion at City Council that would direct City departments to participate in this Task Force. Formation of the Task Force will bring together the critical departments to forge a path and meet the shared goals of implementing the Connect US Action Plan and completing this important active transportation network – along with many other goals related to community development and sustainability. In November 2016 we submitted a grant application to SCAG that will support activities of this Task Force, including studies that could lead to more funding opportunities.

With these thoughts in mind, answers to your specific comments are below (I repeated your comments (in red) to provide context):

* Expand the scope of your plan to include Los Angeles Street from Alameda to Arcadia. Currently, LAUS only considers half the block. Traffic, parking, bus loading and un-loading, bicycles, special events, crosswalks and pedestrian traffic will occur on the entire block and should be viewed as a whole.

Metro staff have worked tirelessly over the past two years to secure the \$16.3 million in funding that is available to design and implement the initial improvements on Alameda and Los Angeles – which your Commission is aware of as we have provided updates along the way. You have asked that we broaden the project boundaries for the Los Angeles Union Station Forecourt and Esplanade Improvements environmental clearances. Unfortunately, we cannot do that as we do not have the funding for such a project at this time (though continuing the improvements down Los Angeles Street is part of the Connect US Action Plan). Recall that the connections to bus loading, bikes and special events were part of the Connect Us Action Plan and are inherent in the overall plan so they will not be lost in the project by project implementation of the plan.

That said, we agree that expanding to Los Angeles would be a great addition to the work we have funding for. One thought is that the City could identify funds for this effort – even if there are not funds for construction, if the City moves quickly to commit funds we could expand the scope of work for design to include improvements on Los Angeles Street from the current project boundaries to Arcadia Street. A potential source for this design work could be the City's Measure R (and soon to be Measure M) local return dollars. We would welcome an opportunity to push further with bring the plan to implementation.

* The master vision for El Pueblo, La Plaza de Cultura y Artes, La Plaza mixed use development and Fort Moore is a historic path starting at Union Station, crossing Alameda into Father Serra Park, crossing at Los Angeles Street at the cross walk, continuing through El Pueblo south of the Kiosko, crossing Main at the cross walk, continuing through La Plaza south of the grave yard, crossing Spring, continuing through the La Plaza mixed use development and finally leading to Fort Moore. The buildings and park have been specially designed to provide a view site line from Union Station to Fort Moore. It is imperative that the LAUS Forecourt and Esplanade Improvements reflect a direct connection between Union Station across Alameda into Father Serra Park. We need a well planned beginning for the historic path.

After our conversation today, I think that this comment is based on confusion caused by the boundaries of what we are environmentally clearing. The "Project" we are clearing does not include Father Serra Park because, based on several conversations with General Manager Chris Espinosa in November 2016,

it was agreed that El Pueblo would environmentally clear the Father Serra Park improvements and Metro would clear the Alameda and Forecourt improvements. **However, Metro has funding to design the Prop A-funded improvements to Father Serra Park, which are focused on strengthening the connection to Union Station. This design is part of our scope of work and will be part of the inter-agency committee that will drive the design process, so your staff will be part of the process and the Commission will be updated as we proceed.** It is our hope/intention to have these improvements – those we are environmentally clearing and the Father Serra Park improvements – constructed at the same time.

* Additional planning for the connection to Chinatown needs to be completed. I understand that the Connect Action Plan will focus on the connection, however the LAUS will build right up to the connection and needs to provide for that opportunity.

Based on our conversation today, I believe you are referring to the fact that our funded improvements will include the corner of Alameda and Chavez and you want to ensure that this creates a connection to Chinatown. The Chinatown community has been and will continue to be engaged in the design and implementation process for the funded improvements and we will do our best to make this connection meaningful. The Connect US Action plan does include more direct connections from LAUS to Chinatown, based on feedback from the community and their preferred travel patterns. As noted in the first comment, we welcome an opportunity to continue a partnership with the City and other community stakeholders to find more funds to implement more of the projects identified in the plan.

* You mentioned that Gil Penalosa from 880 Cities was invited to speak to staff and “Fire up the troops”. What if Gil was brought on to consult on our plans. He is by all accounts the “Best” and I believe that in planning the Front Door to the birthplace of Los Angeles from the Transportation Hub of Southern California we deserve the best.

We agree that Gil Penalosa’s involvement was inspirational in the planning process. He was part of the consultant team that was competitively procured. We cannot specifically hire him to work on this part of the effort as we will again have to pursue an open competitive process - but there is nothing that precludes him from joining a team seeking to implement the coordinated design.

I hope this answers your comments and questions. We are at the starting point of a design process that will be coordinated closely with our stakeholders – not just through outreach but through an interagency committee that will be involved at every step. Further, I want to reiterate our commitment to creative partnerships that can identify more funding to implement the broader vision of the Connect US Action Plan and great bike and pedestrian connections to our transit and the historic and cultural resources within the broader LAUS/Civic Center area. I will be at the January 26th Commission meeting to further clarify as needed.

From: David Louie [REDACTED]
Sent: Wednesday, January 18, 2017 9:31 PM
To: Hornstock, Jenna
Cc: Carvajal, Elizabeth; John Exheveste; Christopher Espinosa; Robert Vinson; Sal DiCostanzo; Bradley Cox; George Yu
Subject: Follow up - Connect US and LAUS Materials

Jenna,

It was a pleasure to speak with you and Elizabeth Friday morning to learn more about the Connect US Action Plan and the LAUS. Both of these plans are critical to El Pueblo and the surrounding communities of Chinatown, La Plaza and the Civic Center. In particular, I would like Metro to consider these planning priorities:

* Expand the scope of your plan to include Los Angeles Street from Alameda to Arcadia. Currently, LAUS only considers half the block. Traffic, parking, bus loading and un-loading, bicycles, special events, cross walks and pedestrian traffic will occur on the entire block and should be viewed as a whole.

* The master vision for El Pueblo, La Plaza de Cultura y Artes, La Plaza mixed use development and Fort Moore is a historic path starting at Union Station, crossing Alameda into Father Serra Park, crossing at Los Angeles Street at the cross walk, continuing through El Pueblo south of the Kiosko, crossing Main at the cross walk, continuing through La Plaza south of the grave yard, crossing Spring, continuing through the La Plaza mixed use development and finally leading to Fort Moore. The buildings and park have been specially designed to provide a view site line from Union Station to Fort Moore. It is imperative that the LAUS Forecourt and Esplanade Improvements reflect a direct connection between Union Station across Alameda into Father Serra Park. We need a well planned beginning for the historic path.

* Additional planning for the connection to Chinatown needs to be completed. I understand that the Connect Action Plan will focus on the connection, however the LAUS will build right up to the connection and needs to provide for that opportunity.

* You mentioned that Gil Penalosa from 880 Cities was invited to speak to staff and "Fire up the troops". What if Gil was brought on to consult on our plans. He is by all accounts the "Best" and I believe that in planning the Front Door to the birthplace of Los Angeles from the Transportation Hub of Southern California we deserve the best.

Thank you for all the work that you have done. Please call me to discuss this matter and allow me to answer questions that you may have.

With hope,

David W. Louie



On Jan 13, 2017, at 2:48 PM, Hornstock, Jenna <HornstockJ@metro.net> wrote:

Hello Commissioner Louie –

Thank you for your time this morning and for having a frank conversation with us. We really are committed to the improvement of the entire LAUS/El Pueblo/Civic Center area and we look forward to a long-standing partnership with our City partners. As a follow up, we are happy to brief you and any of the Commissioners on the Connect US Action Plan. Let us know if you want a small meeting or a presentation at a Commission meeting. In the meantime, some follow up materials:

- If you want to review the Connect US Plan online, the link is [here](#). This is a big document, we have a great summary poster that we can bring you when we meet.
- In terms of what has been going on with LAUS since we completed our Master Plan, we recently prepared a memo to our Board advising on our updated approach to the Union Station Master Plan, it can be downloaded [here](#).
- We mentioned creation of an Exploratory Task Force. The Motion that formed that Task Force is attached. As we mentioned on the phone, we have submitted a grant (we will find out if we were successful in February) to support efforts on this Task Force, and we are working with CM Huizar's office to have a complimentary motion at LA City Council.

Hopefully you can see within these materials our commitment to thinking holistically about our work program, as we continue to implement in manageable phases.

Let us know what more we can provide and we look forward to our next conversation.

Best,
Jenna

Jenna Hornstock

LA Metro

Deputy Executive Officer, Countywide Planning & Development

Joint Development/Strategic Initiatives/Parking Management

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Williams, Marquis

From: Hyeran Lee [REDACTED]
Sent: Monday, January 30, 2017 2:21 PM
To: Carvajal, Elizabeth
Subject: Union Station Forecourt and Esplanade Improvements Project

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Ms. Carvajal,

Thank you for the opportunity to comment on the environmental scoping for this important project. Could you clarify one thing about the Union Station Forecourt and Esplanade Improvements Project? I am curious to know if the project's plan is to remove protected/buffered bike lanes currently installed on Los Angeles St on both Southbound and Northbound. The path is well used by bicyclists traveling to and from Union Station. As a matter of fact, it is an essential piece of infrastructure for those using bikes as a first-last mile solution to their destination. Removing the lane would result in either bicyclists potentially causing conflicts with pedestrians or them riding in Alameda St with no safe infrastructure to avoid crowd on Los Angeles St. being exposed to high-speed traffic.

I think bike lanes and the pedestrian plaza could co-exist if they are partitioned and indicated well by users. Visual cues for both pedestrians bicyclists (such as different colors of pavement, signages, and bollards) will help separate bicyclists and pedestrians but keep efficient flow of foot and bike traffic.

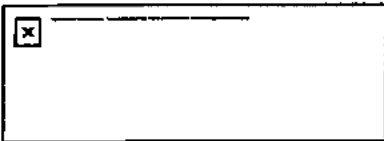
I hope Metro reviews the initial design with consideration of current status of Los Angeles St., evaluate usage of the protected bike lanes, and come up with the best design strategy to keep both bicyclists and pedestrians be safe and pleasant in the space. If you have any questions or need more information, please feel free to contact me at this email address.

Best,

--
Hyeran Lee
Policy & Outreach Coordinator
Los Angeles County Bicycle Coalition

[REDACTED]
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Help make L.A. County a healthy, safe, and fun place to ride a bike: [Become an LACBC member today!](#)



Williams, Marquis

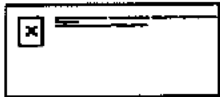
From: Megan O'Brien [REDACTED]
Sent: Thursday, January 12, 2017 12:58 PM
To: Carvajal, Elizabeth
Subject: Design for Perimeter Improvements at Union Station

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Elizabeth,

I am emailing because we have been watching for the Design for Perimeter Improvements at Union Station RFP and we haven't seen it yet. Is there a date scheduled for this to be advertised?

Thank you,



Megan O'Brien
Research Manager
945 Hornblend Street, Suite G
San Diego, CA 92109



www.imsinfo.com

Williams, Marquis

From: Chesler, Stewart
Sent: Thursday, January 12, 2017 11:01 AM
To: Carvajal, Elizabeth
Subject: RE: Notice of Preparation for the Los Angeles Union Station Forecourt and Esplanade Improvements Project

Follow Up Flag: Follow up
Flag Status: Flagged

Thanks! This may not be a good assumption since the Passenger Pickup and Drop off is located completely away from the Union Station Passenger Entrance. Also there are probably capacity restraints. Plus the number of taxis and Uber like services will probably significantly increase in the future especially if High Speed Rail comes in. Did the consultants do any analysis of this? This can probably be analyzed using a VISSUM model.

Stewart

From: Carvajal, Elizabeth
Sent: Thursday, January 12, 2017 10:48 AM
To: Chesler, Stewart
Subject: RE: Notice of Preparation for the Los Angeles Union Station Forecourt and Esplanade Improvements Project

We are assuming a combination of curbside drop off and the use of the recent P1 drop-off on Vignes, but assuming taxi queuing stays as is in the front of the station, and of course MWD and First S traffic.

From: Chesler, Stewart
Sent: Monday, January 09, 2017 3:46 PM
To: Carvajal, Elizabeth
Subject: RE: Notice of Preparation for the Los Angeles Union Station Forecourt and Esplanade Improvements Project

Hi Elizabeth,

I have one question. The short term parking lot is used quite a bit for passenger pick up and drop off especially for Passenger and Commuter Train Service. If the current lot becomes a new forecourt and civic plaza, will this function be relocated elsewhere? If not, how would passenger pick up and drop off be handled?

Thanks,

Stewart

From: Carvajal, Elizabeth
Sent: Monday, January 09, 2017 3:30 PM
To: Nguyen, Tham; Sheridan, Georgia; Light, Adam; Fuhrer, Tamar; Page, Scott; Chesler, Stewart; Spivack, Gary; Soto, Patricia; Keiner, Bronwen; Pan, Fanny; Cornejo, Laura; Yim, Basilla (Lia); Kao, Andrew; Lieb, Jacob; Pratt, Kenneth E.
Cc: Williams, Marquis; Hornstock, Jenna
Subject: Notice of Preparation for the Los Angeles Union Station Forecourt and Esplanade Improvements Project

All,
We (Metro) published a [Notice of Preparation](#) for the Los Angeles Union Station Forecourt and Esplanade Improvements project (Project) and are hosting a Scoping Meeting on Thursday, January 26th at 6pm at the Union Station Historic

Ticketing Concourse. Please review the Notice of Preparation and provide me with your comments by close of business on January 31, 2017.

The Project was formerly a component of the Union Station Master Plan. We have since updated our approach to Union Station redevelopment and are no longer pursuing the Program EIR for the Union Station Master Plan. However, we are pursuing the project level clearance under CEQA and NEPA for the Alameda/Los Angeles Street public improvements and Union Station forecourt.

The Project components include:

- **Transformation of the Los Angeles Union Station (LAUS) surface parking lot into a new forecourt area and civic plaza;**
- **Alameda Esplanade-roadway reconfiguration on Alameda Street; widening pedestrian and bicyclist facilities on Alameda Street in front of Union Station between Cesar E. Chavez and Arcadia Street;**
- **Closure of the north leg of Los Angeles Street (directly across from the station) for a new expanded and raised crosswalk between LAUS and El Pueblo;**
- **Repurposing easternmost (third) travel lane on Arcadia Street (between Alameda and Spring) as a dedicated tour bus parking zone for El Pueblo.**

Please contact me with any questions and provide me with your comments by close of business January 31st. Thank you.

Best,

Elizabeth Carvajal

LA Metro

Sr. Manager, Transportation Planning

Countywide Planning & Development, Strategic Initiatives

213.922.3084 W

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Williams, Marquis

From: Chris Espinosa [REDACTED]
Sent: Monday, January 30, 2017 1:18 PM
To: Carvajal, Elizabeth
Cc: Hornstock, Jenna; Edgar Garcia; Lisa Samo; Rick Coca; Paul Habib; Dov Lesel
Subject: El Pueblo Commission - Comments on Scope
Attachments: El Pueblo.Scope Comments to Metro.Final.1.30.17..pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Elizabeth

Attached to this e-mail is the comment letter from the El Pueblo Commission regarding the Los Angeles Union Station - Forecourt & Esplanade Improvement project.

Thank you for your consideration.

--
Christopher Espinosa
General Manager
El Pueblo de Los Angeles Historical Monument

[REDACTED]
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January 30, 2017

Elizabeth Carvajal
LA Metro Senior Manager, Transportation Planning
Countywide Planning & Development, Strategic Initiatives
1 Gateway Plaza
Los Angeles, CA 90012

Re: Los Angeles Union Station – Forecourt & Esplanade Improvements
El Pueblo Commission Comments – Scope of Work

Thank you for the opportunity to provide comments on the Los Angeles Union Station Forecourt and Esplanade Improvement project. El Pueblo is excited to collaborate with Metro and our municipal colleagues on all aspects of the project. In compliance with Los Angeles Administrative Code Section 22.626 and the El Pueblo General Plan, the Commission will emphasize its review of future design concepts for Alameda Street, Los Angeles Street, and Arcadia Street, all of which are within the boundaries of the historic park.

The Commission's central concern in relation to the project scope is the exclusion of Father Serra Park from the designated boundary for future environmental review. El Pueblo has implemented several improvements to activate Father Serra Park, including a) the installation of a mid-block crosswalk on Los Angeles Street, b) a connecting decomposed granite path across the park, c) new LED lighting along the southern property line, and c) drought tolerant plantings.

It is important that the proposed design contract scope of work include elements consistent with the Los Angeles County Regional Park and Open Space District funds, such as:

- Renovation of existing landscaping;
- Enhancement of the existing crosswalk;
- Development of a pathway through the park that links directly to the enhanced crosswalks, connecting El Pueblo's Central Plaza and Union Station, and
- Lighting improvements made to the "Wall of Honor" memorial.

To assist Metro in this effort, El Pueblo will offer to be the lead agency in securing environmental clearance for future proposed improvements to Father Serra Park. Through our on-going partnership with Metro, El Pueblo staff will assist in hosting design meetings that will ensure compliance with the General Plan, budgetary goals, and overall design concepts for the LA Union Station Forecourt and Esplanade Improvement project. El Pueblo will ensure that there is ample community input and coordination with key government agencies, such as the Planning Department's Office of Historic Resources and the California State Department of Parks and Recreation, among others.

Finally, the Commission would like to re-iterate that the \$1 million in Open Space District funds should be committed towards improving Father Serra Park and its connectivity and linkages to El Pueblo and Union Station. The effort should also include the design and execution of a Chinese American memorial into the pedestrian enhancements.

Thank you for your time and consideration. We look forward to continuing our collaboration on this excellent project.

Sincerely,



Christopher P. Espinosa,
General Manager

Williams, Marquis

From: Jim Jang [REDACTED]
Sent: Monday, January 30, 2017 4:42 PM
To: Carvajal, Elizabeth
Cc: Gay Yuen; Eugene Moy
Subject: LA Union Station Forecourt and Esplanade Improvements
Attachments: FCAM LA Union Station Forecourt and Esplanade Improvement 01-30-17-JJ.pdf

Thank you for taking the time to present to us the Los Angeles Union Station Forecourt and Esplanade Improvement project. Attached is a memo which summarizes our input regarding Father Serra Park, the area adjoining the project.

Thanks,

Jim Jang
Board President
Friends of the Chinese American Museum



[REDACTED]

January 30, 2017

Elizabeth Carvajal
Senior Manager
One Gateway Plaza
Los Angeles, CA 90012

Re: LA Union Station Forecourt and Esplanade Improvements

Thank you for meeting with us today and explaining the exciting project affecting the area around the Chinese American Museum and El Pueblo. We agree that the LA Union Station Forecourt and Esplanade Improvement project will benefit El Pueblo and the Chinese American Museum.

As we discussed, we would like to emphasize our interest in Father Serra Park and the design and placement of a monument commemorating the Chinese Massacre of 1871. We at the Chinese American Museum have significant subject matter expertise regarding the history of the area as well as Chinese culture and customs. We appreciate keeping us in the loop as these projects move forward and for including our voices to participate in these projects.

If you have any questions or concerns, please feel free to contact Gay [REDACTED]
Eugene [REDACTED] or me [REDACTED]

Sincerely,

A handwritten signature in black ink, appearing to read 'Jim Jang', is written over a white background.

Jim Jang
Board President
Friends of the Chinese American Museum

Williams, Marquis

From: Luke Klipp [REDACTED]
Sent: Monday, January 30, 2017 5:08 PM
To: Carvajal, Elizabeth
Subject: Comment on LA Union Station Forecourt and Esplanade Improvements

Good afternoon Elizabeth,

My name is Luke Klipp, and while I'm a full-time employee at Metro, I'm writing you in my capacity as a resident and activist in Los Angeles who is passionate about our city's and region's ability to grow sustainably and equitably.

With that in mind, I wanted to offer a specific comment to the LA Union Station Forecourt and Esplanade Improvements currently in environmental scoping. I'm particularly concerned with the proposal to scrub out the marked crosswalk in front of Union Station, east-west crossing over Alameda along the southern boundary of the intersection with Los Angeles Street. While Metro's draft proposal would provide a wide, specious crossing along the northern boundary of this intersection, it does so at the expense of the southern crossing.

This is notable to me, as someone who uses our 7th St/Metro Center station on a daily basis and has dealt with the temporary crosswalk limitations at 7th Street and Figueroa that are the result of impacts associated with the Wilshire Grand tower currently under construction. That intersection experiences a high amount of foot traffic - similar to the intersection of Alameda and Los Angeles Streets, and the restrictions on crossings there make it much more unmanageable and create foot and vehicular travel bottlenecks that might be avoided with the allowance of four-way pedestrian crossings.

That said, I am interested to know what analysis has been conducted around vehicle and pedestrian counts to support and/or justify a decision to remove the marked east-west crosswalk along the southern boundary of the intersection of Alameda and Los Angeles Streets. Furthermore, does the current proposal contemplate the addition of "NO CROSSING" signs to force pedestrians to avoid this crossing altogether? I ask that because, without those signs (which are inherently anti-pedestrian), State law makes it perfectly legal for a person on foot to cross with the signal at that intersection along its southern boundary, even without the markings -- and that's just even less safe for people who may need to make the crossing in a hurry and cannot wait for a full light cycle to cross.

Please let me know that you have received these comments and that they will be incorporated into the record. Thank you very much.

Best regards,
Luke H. Klipp

Williams, Marquis

From: Andy Freeland [REDACTED]
Sent: Monday, January 30, 2017 5:18 PM
To: Carvajal, Elizabeth
Subject: re: LAUS Forecourt and Esplanade Improvements

Although the Union Station Forecourt and Esplanade improvement plan is a huge and exciting improvement over existing conditions, I would like to comment that I am concerned by the removal of the existing bike lane on Los Angeles street. Removing this creates a conflict zone between cyclists and pedestrians.

Thank you.

Williams, Marquis

From: Alek [REDACTED]
Sent: Monday, January 30, 2017 10:23 PM
To: Carvajal, Elizabeth
Subject: LA Union Station upgrades

Importance: High

Dear Metro:

Thank you for undertaking the Union Station improvement project. As a frequent visitor to the area, including the Union Station - as well as an occasional passenger on Amtrak, Metrolink, and Metro-Rail - I am truly excited about the upcoming upgrades!

One thing I would definitely recommend - is for the sidewalks and other pedestrian areas to use decorative covering (as opposed to naked concrete & cement). As I'm sure you know, decorative/enhanced sidewalks attract walkability - unlike the gloomy, utilitarian concrete. In addition, decorative pavers are more stain-resistant. I'm sure you agree: the concept of "plain concrete sidewalks" is becoming obsolete, and the upgrades to sidewalks citywide have started to take place; L.A. Union Station should be no exception.

Thank you for considering my suggestions. I look forward to further updates!

- Alexander Friedman

[REDACTED]
Hollywood, California

Williams, Marquis

From: David Bailey <david@davidabailey.com>
Sent: Tuesday, January 31, 2017 5:22 AM
To: Carvajal, Elizabeth
Subject: Comment on Union Station Forecourt & Esplanade Improvements Plan

Hi Elizabeth,

I'd like to submit a comment on the Union Station Forecourt & Esplanade Improvements Plan. I am against the removal of the bike lane on Los Angeles Street. I use this lane every time I leave Union Station. It seems there is enough space to keep the lane on Los Angeles Street and hopefully separate it from the street with a curb or other feature. I thought Los Angeles was trying to expand its bicycle network and not reduce it. The rest of the presentation looks great. Thanks for your hard work.

Thank you,
David

Williams, Marquis

From: Abe Chang <abe90025@gmail.com>
Sent: Tuesday, January 31, 2017 12:14 PM
To: Carvajal, Elizabeth
Subject: Union Station Forecourt & Esplanade Improvements Plan

Hello,

I just read about a dismount zone for bikes for the southbound bike lanes on Los Angeles St?

That is a horrible idea. Would you ever tell drivers to get out of their car and walk their car? If you want to improve traffic, air quality etc. you need to make it easy for people to bike and walk, not more difficult.

If you ride a bike, you would not want to dismount. Dismount zones are as worthless as sharrows. Give bike lanes the same attention you give to car lanes.

Do not implement the dismount zone

Thank you,

Abe

Williams, Marquis

From: Andy Wong <andycwong@gmail.com>
Sent: Tuesday, January 31, 2017 1:46 PM
To: Carvajal, Elizabeth
Subject: Public comment for: Los Angeles Union Station Forecourt and Esplanade Improvements

Dear Ms Cavajal, Metro and Union Station leaders -

I see plans for cyclists and pedestrians and I just want to add another public comment of support for anything that you can do to consider making arrival and exiting Union Station safer and easier for pedestrians and cyclists, especially given the challenges of Alameda and the 101 freeway including the entrance to the carpool/HOV lanes off Alameda. I live about four blocks away and take the redline almost daily. I also use metrolink and enjoy coming to Union Station. I use the flyaway. I get picked up and also drive my car to Union Station. I use the Metro bike share. I think it's vital to make room for cars, bikes, pedestrians, buses...a complete streets approach that is efficient but also slows traffic just enough so that it's safe for all. I trust the engineers and design experts to figure that all out, but the opportunity to upgrade Union Station and particularly the Forecourt is tied into how we can make Los Angeles a city of the future that is representative of something we can be proud of and use with safety and efficiency. However, I do hope that the designers and engineers will consider not just access for cyclists, but also provide bike parking that is not buried in the underground parking lot on only one side of the building which it is now, even though I appreciate the security of it. I hope we take cues from places like Copenhagen and Amsterdam for bike infrastructure. Thank you.

Best regards,
Andy Wong

Williams, Marquis

From: Susan MacAdams <susan.macadams@gmail.com>
Sent: Tuesday, January 31, 2017 2:53 PM
To: Carvajal, Elizabeth
Cc: Hollis, Calvin; Hornstock, Jenna; Leahy, Art; Teresa Lamb; Valerie Martinez; Board Secretary; Owens, Jeanet; Fielding, Karl; Paul Krekorian; Secretary SANBAG; Sylvia Ballin; jfajardo@sfcity.org; Marsha McClean; Professor Martin Wachs; Mayor Lauren Weste; Paul Dysor; Ron Mathieu; englanderw@scrra.net; Washington, Phillip; mayor.garcetti@lacity.org; garellano@arellanoassociates.com; dan.tempelis@hatchmott.com; Echemnach, Mary Lou; fasanaj@accessduarte.com; Ara Najarian; sheila@bos.lacounty.gov; kbarger@lacbos.org; mike.bonin@lacity.org; mayor@cityofinglewood.org; robert.garcia@longbeach.gov; hahn@bos.lacounty.gov; firstdistrict@bos.lacounty.gov; markridley-thomas@bos.lacounty.gov
Subject: NOTICE OF PREPARATION (NOP) Scoping Comments for the Los Angeles Union Station Forecourt and Esplanade Improvements
Attachments: Photo 1 Floods in Los Angeles 1938.jpg; Photo 2 Floods in downtown LA 1938.jpg; Photo 3 Steps from Alameda up to Placita de Dolores.JPG; Photo 4 Steps behind the Placita de Dolores to the Historic Plaza Monument.JPG; Photo 5 Placita de Dolores inner courtyard.JPG; Photo 6 Placita de Dolores empty plaza seating.JPG; Union Station Master Plan Alameda Street Pedestrian crossing.pdf

Susan MacAdams
Track and Alignment Specialist
130 E. Montecito Ave, Unit 211
Sierra Madre, CA 91024
Susan.macadams@gmail.com
310-994-8407

January 31, 2017

Elizabeth Carvajal
Transportation Planning Manager
Los Angeles County
Metropolitan Transportation Authority (Metro)
One Gateway Plaza
Los Angeles, CA 90012

**RE: NOTICE OF PREPARATION (NOP)
Scoping Comments for the Los Angeles Union Station Forecourt and Esplanade Improvements, Environmental Impact Report (EIR)**

Dear Ms. Carvajal:

Metro has initiated the environmental clearance process with the California Environmental Policy Act (CEQA) for the Los Angeles Union Station Forecourt and Esplanade Improvements Project. The City of Los Angeles is the cooperating agency as many of the improvements will take place within City jurisdiction.

A community meeting was held by Metro on January 26, 2017 at Union Station. The public comments deadline was just three business days later on January 31, 2017.

These submitted comments address the changes proposed for Alameda Street, Los Angeles Street and the Union Station Forecourt.

1.) In front of Union Station, on the east side of Alameda Street, shade trees are shown on the plan.

a.) Trees cannot be planted in this location because there is a large storm drain (9 to 10 feet in diameter) directly below the surface of the sidewalk. Tree roots damage sidewalks and equally damage underground storm drains. It is highly unlikely that City of Los Angeles, Bureau of Engineering, Stormwater Division, Department of Public Works, will permit the planting of any trees on the east-side of Alameda. The roots would damage this important piece of critical infrastructure necessary for draining flood water away from Olvera Street, Union Station and downtown Los Angeles. See photos 1 & 2, Los Angeles 1938 flood. There are no trees on the east side of Alameda street for this reason. This element of the proposal should be dropped from study in the EIR.

b.) Trees can be planted on the west side of Alameda Street, but there are already trees on this side of the street. Do you plan to remove those trees and plant new ones? This would be a duplication of effort.

2.) On both the east and west side of Alameda Street, traffic lanes would be eliminated. Alameda Street is currently overburdened with rush hour traffic. Emergency teams, such as fire and police, must travel in the opposite lanes, weaving against traffic. Eliminating two lanes of traffic will create an additional bottleneck where traffic is at a stand-still in both directions. The Los Angeles Fire Department and LAPD will not allow this bottleneck to occur for reasons of public safety.

Reducing the number of traffic lanes into Union Station and eliminating the roadways that connect the front of the station to the side area presently used by Amtrak buses will impact public safety. The Red Line subway emergency exits are located near the Amtrak bus stop. The Department of Homeland Security would have authority over the decisions made by Metro Planners and facilitating a large emergency at Union Station where one hundred ambulances are needed should be incorporated into the designs; large scale accidents have happened at train stations around the world. Eliminating vehicular lanes that connect the front drive to the Cesar Chavez exit will prevent emergency vehicles access to the station with the same ability as present. This alternative should be dropped from study in the EIR.

3.) The partial closure of Los Angeles Street has been proposed for decades; this is an excellent idea for further development. But at present, there is a serious drawback to the plans. From Alameda Street to El Pueblo there is a significant rise in elevation; the Plaza is about sixteen feet higher than Union Station. For some pedestrian this will feel like a two story climb over a distance of only 250 feet.

Across the street from Union Station is the Placita de Dolores, a beautiful half-acre park. To enter this park one must climb fourteen steps upwards from Alameda. These steps are not shown in your renderings. See photo 3, steps on Alameda. At the back of the park, there is another set of nine steps leading from the Placita de Dolores to the El Pueblo Historic Plaza. See photo 4, steps behind the Placita de Dolores to the Historic Plaza. The total number of steps from Alameda Street to the Plaza is twenty-three.

The rendering of Los Angeles Street on display at the scoping meeting showed a wide flat pedestrian pathway from Union Station to the Historic Plaza which was misleading. There is a steep climb creating a hindrance for seniors and disabled. It poses a vertical challenge for anyone pulling a suitcase.

Solution: Build a pedestrian bridge across Alameda that carries pedestrians from the entrance of Union Station to El Pueblo Historical Monument. The bridge could start at the main front exit of Union Station and include

elevators and escalators for the elderly and disabled. Design the bridge as a memorable, historic attraction to Union Station.

Denver pedestrian bridge design:

http://denverinfill.com/images/blog/2007-05/2007-05-08_18th_ped3.jpg

4.) Eliminate the reconfiguration of the approximately 60-space parking lot into LAUS forecourt as a civic space and seating area. Instead use the area for transit buses.

There are currently two parks directly across the street from Union Station, Placitas de Dolores (see photos 3,4,5, & 6) and Father Sierra Park; each park is larger than the new proposed civic space in front of Union Station. These parks have mature shade trees, seating and historical monuments. Yet both parks are underutilized by the general public except for the homeless. Until the homeless problem is solved, creating more parks only makes policing them more difficult.

In addition, there are two public courtyards at Union Station, each with flower gardens, benches, and historic architecture. These gardens are accessed from either side of the main central waiting room. Both of these public outdoor areas are underutilized; people prefer to sit inside the station in large chairs while waiting for their trains.

There is another public space located at the Metropolitan Department Building. This courtyard can be easily accessed from the south facing above mentioned interior courtyard. This public space has shade trees, beautiful fountains, tables with chairs and landscaping with mosaics and distinctive stonework. There is a public cafeteria just inside the building. This garden is rarely filled to capacity, even at lunchtime.

Solution: Do not eliminate the parking lot to build another public space. Change the existing use to a DASH bus pick-up and drop off area. At present, three local DASH bus routes stop in or near Union Station: Route B, Chinatown, Financial district; Route D Union Station, South Park; and DASH Lincoln Heights/ Chinatown. All three bus routes could be reconfigured by the Los Angeles Department of Transportation (LADOT) to enter this parking lot at Union Station for passenger pick-up and drop-off. This would greatly enhance the public access to Union Station.

Here is a photo of a similar bus facility in Palmdale adjacent to the Metrolink Station:

<http://subwaynut.com/california/metrolink/palmdale/palmdale1.jpg>

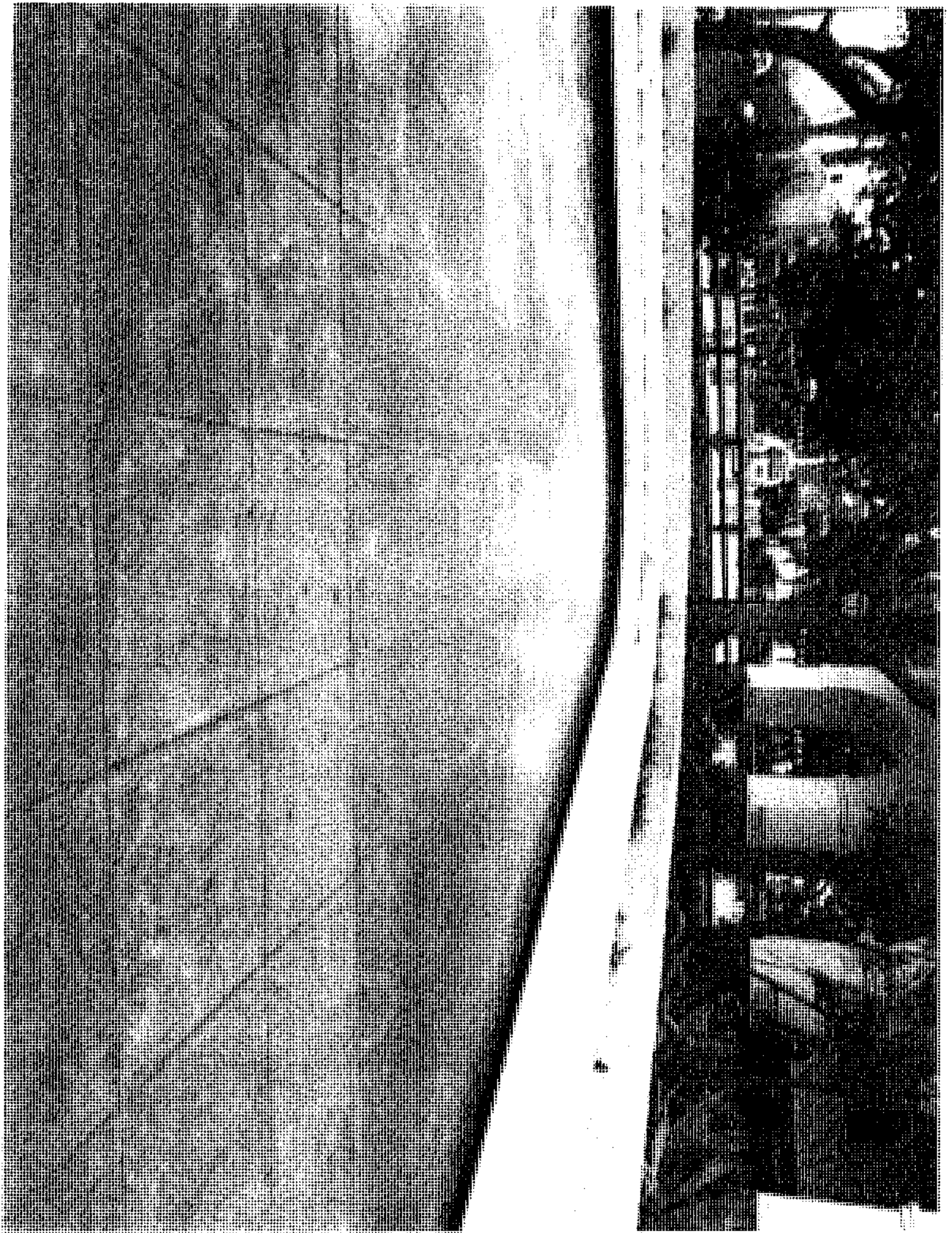
5.) Over the last six years, Metro spent over ten millions dollars on the Union Station Master Plan and yet all that remains is one crosswalk across Alameda Street where there currently exists a fully modernized crosswalk. At the Metro Board Meeting held on Thursday January 26, 2017, the Metro Board approved another three million dollars for the project prior to the public scoping meeting. This left no opportunity to assemble public comments before to the Board Meeting. It is suggested that the public comment period for this project be extended for another thirty days.

Thank you for this opportunity to express concerns regarding the plans for Union Station.

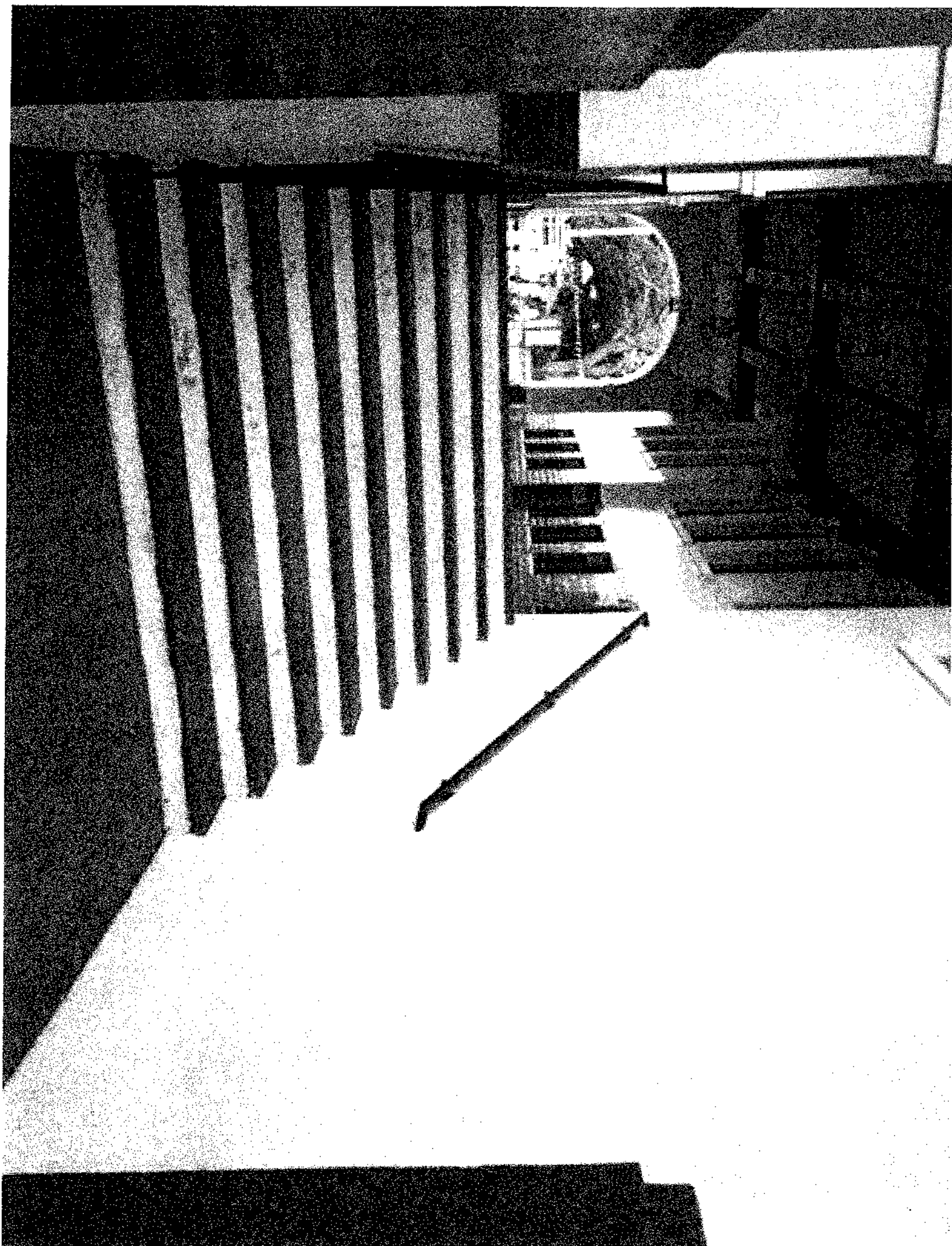
Susan MacAdams
Board Member, Train Riders Association of California, TRAC
Board Member, Union Station Historical Society

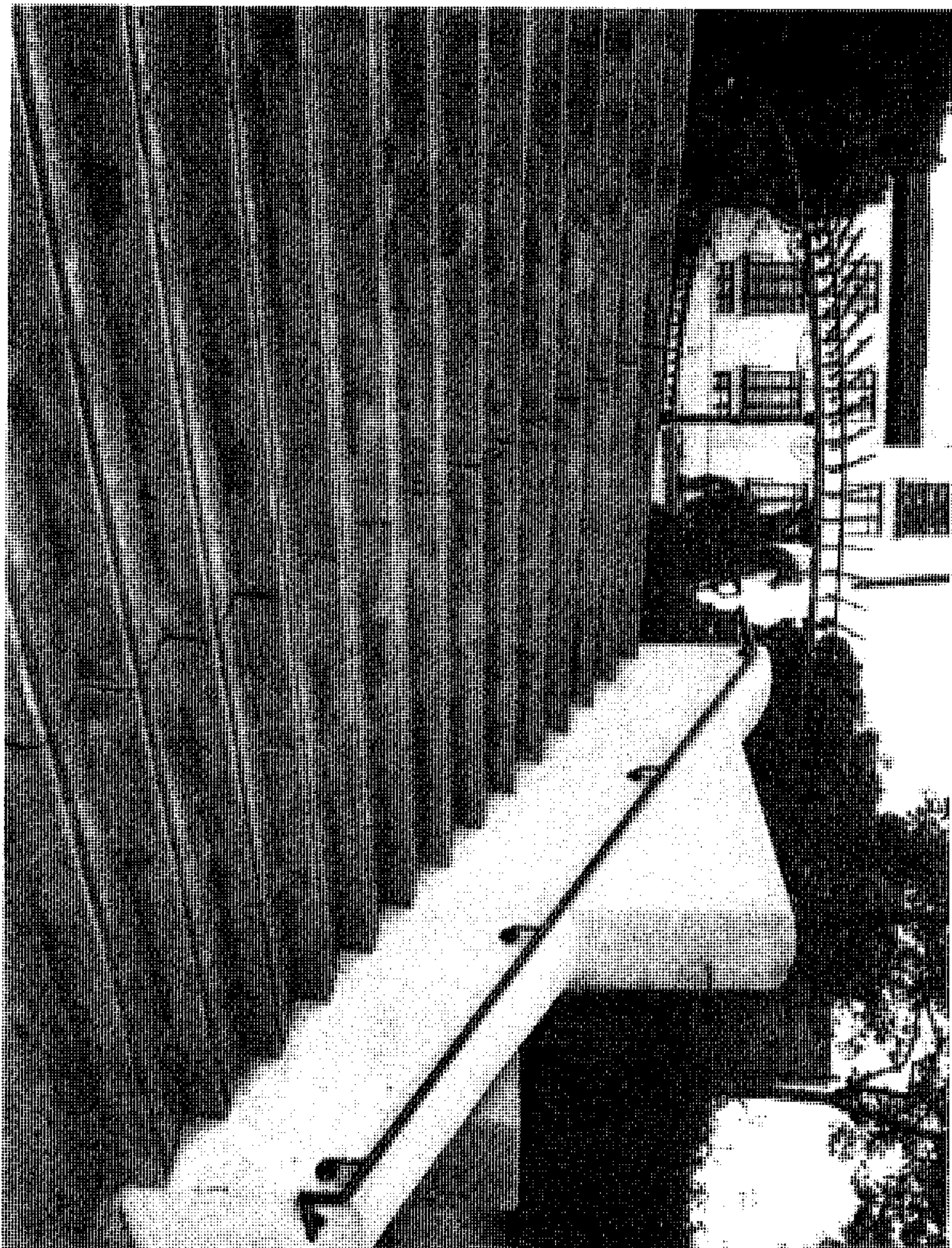


This aerial view of the Los Angeles River overflowing its banks drastically demonstrates the enormity of the 1938 flood. This flood not only caused citizens to forcefully demand that flood control be a major priority of politicians at all levels, but precipitated the recall of Los Angeles mayor Frank L. Shaw, who was also coming under fire for corruption in the police department. (Photograph by F. H. Baalbergen, G. C. Loomer, and A. M. Reece of The Photo Task Force 1938; courtesy of the County of Los Angeles Department of Public Works.)









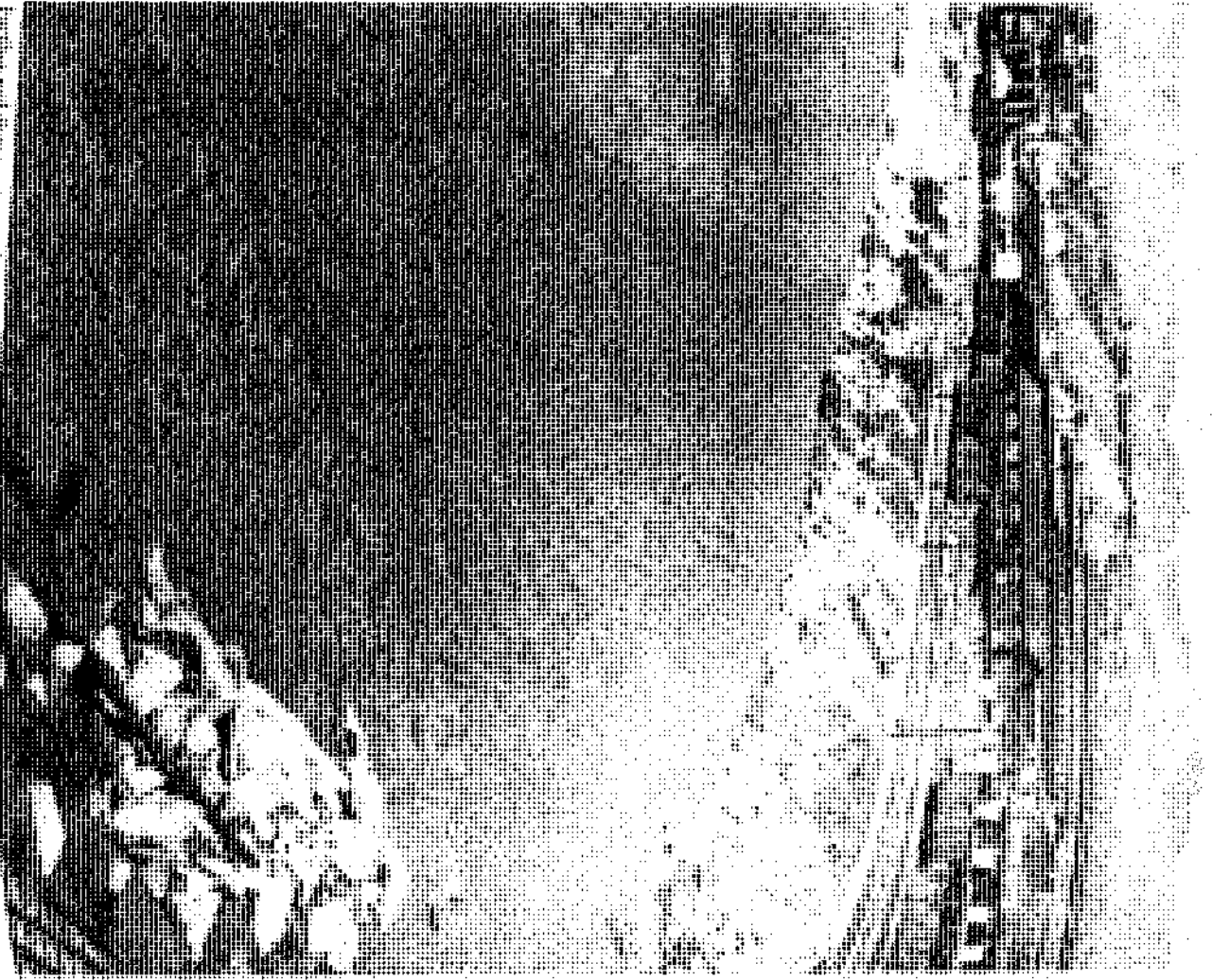


Figure 1. Aerial view of the building complex in the foreground. The building is a large, multi-story structure with a grid-like facade. The surrounding terrain is hilly and appears to be covered in vegetation. The photograph was taken from an elevated position, looking down at the building and the surrounding area.

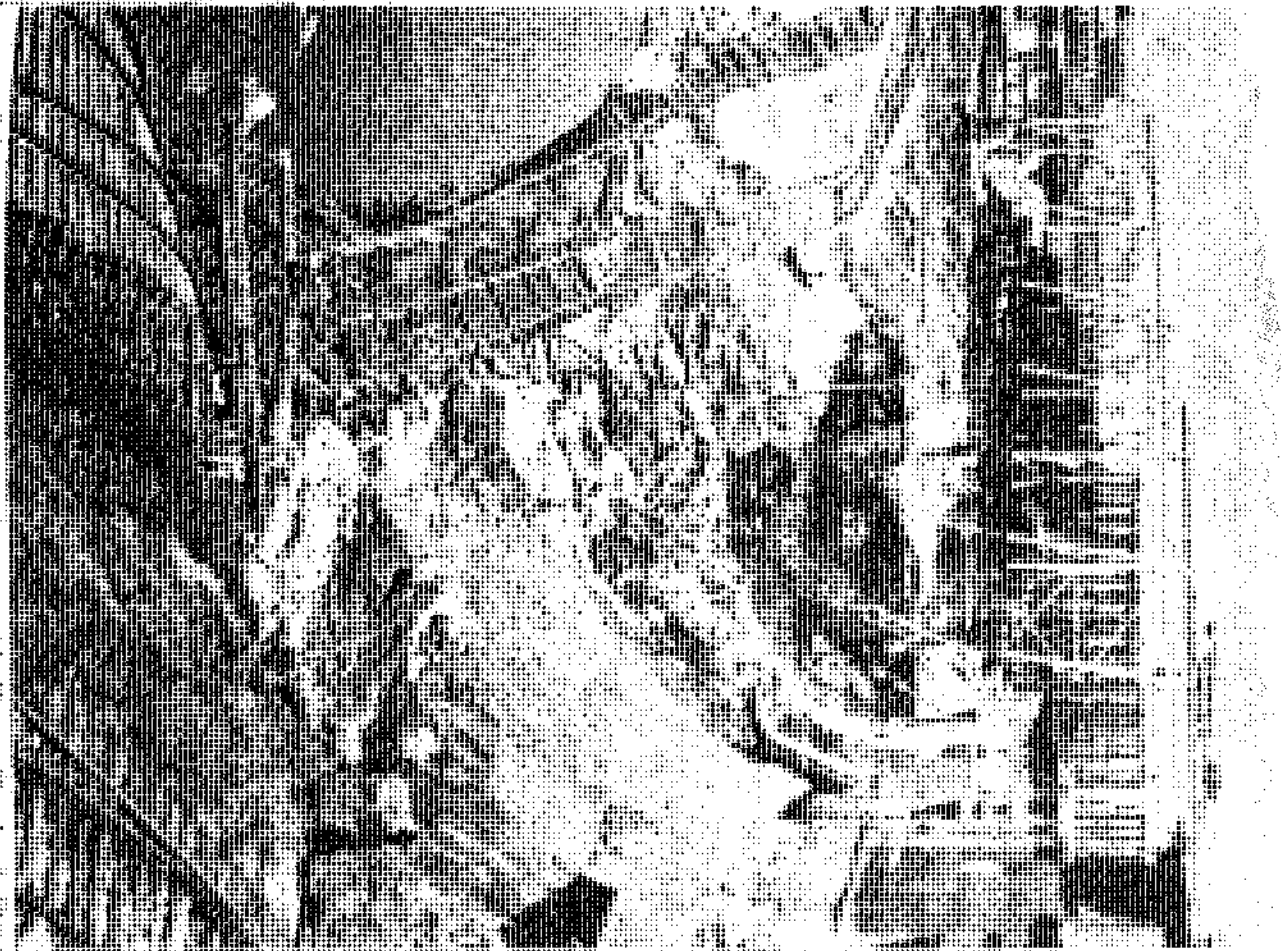


Figure 2. Aerial view of the building complex in the foreground. The building is a large, multi-story structure with a grid-like facade. The surrounding terrain is hilly and appears to be covered in vegetation. The photograph was taken from an elevated position, looking down at the building and the surrounding area.

Williams, Marquis

From: Lee, Frances M@DOT <frances.lee@dot.ca.gov>
Sent: Tuesday, January 31, 2017 3:49 PM
To: Carvajal, Elizabeth
Subject: Los Angeles Union Station Forecourt and Esplanade Imprv. Env. Report - NOP - comment letter
Attachments: 2017 01-31 07-LA-2016-00453 Los Angeles Union Station Forecourt and Esplanade Imprv Env Report - NOP.pdf

Hello Ms. Carvajal,

The original comment letter for the above-mentioned project has been sent to your attention today. Please find an attached PDF copy of the signed letter. Thank you.

Best Regards,

Frances Lee
Associate Transportation Planner
Caltrans District 7, Division of Planning
Local Development-Intergovernmental Review (LD-IGR) Branch
100 South Main Street, MS#16, Los Angeles, CA 90012
Phone: 213-897-0673 | Fax: 213-897-1337
E-Mail: Frances.Lee@dot.ca.gov

DEPARTMENT OF TRANSPORTATION

District 7 – Office of Regional Planning
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 897-0673
FAX (213) 897-1337
www.dot.ca.gov



*Serious drought.
Help save water!*

January 31, 2017

Ms. Elizabeth Carvajal
Los Angeles County
Metropolitan Transportation Authority
One Gateway Plaza, MS: 99-23-4
Los Angeles, CA 90012

RE: Los Angeles Union Station Forecourt and
Esplanade Imprv. Env. Report
Notice of Preparation (NOP) for DEIR
SCH# 2016121064
IGR# 07-LA-2016-00453-FL
Vic. LA/ 101/ PM 0.621; LA/ 10/ PM 6.943

Dear Ms. Carvajal:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. Including improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Union Station Forecourt.

The project site is in close proximity to US-101 and I-10. To assist us in our efforts to evaluate the impacts of this project on State transportation facility, a traffic study should be prepared. Please refer the Project's traffic consultant to Caltrans' traffic study guide website: http://www.dot.ca.gov/hq/tpp/offices/ocp/igr_ceqa_files/tisguide.pdf. If one has already been prepared for the project, please forward a copy to Caltrans for review and comment.

Listed below are some elements of what is generally expected in the traffic study:

1. Presentations of assumptions and methods used to develop trip generation, trip assignments, and choice of travel mode to US-101, and I-10. An analysis of the freeway mainline, all on/off-ramps, parallel roadways, and freeway connector.
2. Caltrans is concerned that additional traffic existing on the freeway may potentially back into the mainline through lanes if the queue exceeds the storage capacity on the off-ramps. A queuing analysis should be performed using HCM methodology. The capacity of the off-ramp should be calculated by the actual length of the off-ramp between the terminuses to the gore point with some safety factor. The queue length should be calculated from the traffic counts, actual signal timing and the percent of truck assignments to the ramp with a passenger car equivalent factor of 3.0 (worst case scenario). The analyzed result may determine whether project-related plus cumulative traffic is expected to cause long queues on

the on- and off-ramps.

3. Analysis of ADT, AM and PM peak-hour volumes for both the existing and future conditions in the affected area with and without the project. Future conditions including built-out and plan-horizon years. It is also recommended that the report include AM/PM peak hour volumes for bicycle under the existing conditions.
4. A cumulative traffic analysis, which includes existing traffic, traffic generated by the project, cumulative traffic generated from all specific approved developments in the area, and traffic growth other than from the project and developments.
5. A discussion of multi-modal mitigation measures, including possible Active Transportation enhancements, appropriate to alleviate anticipated traffic impacts. Any mitigation involving transit or Transportation Demand Management (TDM) should be justified and the results conservatively estimated.
6. Fair share contributions toward pre-established or future improvements on the State Highway System is considered to be an acceptable form of mitigation. Please use the following ratio when estimating project equitable share responsibility: additional traffic volume due to project implementation is divided by the total increase in the traffic volume (see Appendix "B" of the Guide).

Caltrans continues to strive to improve its standards and processes to provide flexibility while maintaining the safety and integrity of the State's transportation system. It is our goal to implement strategies that are in keeping with our mission statement, which is to *"provide a safe, sustainable, integrated, and efficient transportation system to enhance California's economy and livability."*

Good geometric and traffic engineering design to accommodate bicyclists and pedestrians are critical at every on and off ramp and freeway terminus intersection with local streets. Caltrans recommends the traffic study to include the impact of the traffic from pedestrians and bicyclists and will work with LA Metro to look for every opportunity to develop projects that improve safety and connectivity for pedestrians and bicyclists.

Additional recommendations are as follow:

- Consider to expand the scope to include active transportation to more surrounding streets such as Main Street between Arcadia Street and Cesar Chavez Avenue and further encourage alternatives to automobile use
- The proposed esplanade along Alameda Street, the shared bicycle/pedestrian facility, should clearly define space for the two modes if there is sufficient width. And, bus stops should be designed to minimize potential conflicts between bus passengers boarding and esplanade users. This can be achieved through installing what is sometimes referred to as a "floating bus island" in which bus shelters and boarding platform would be located west of the esplanade.

- Currently, there are Class II bike lanes on the portion of Los Angeles Street that is proposed to be closed. This Class II facility transitions into a Class IV protected bikeway further south on Los Angeles Street. Caltrans recommends preserving bicycle access through this section and perhaps enhancing the bicycle infrastructure. Some consideration should be given to incorporating Class I bike paths or Class IV protected bike lanes into the design of the plaza created as a result of the closure on Los Angeles Street.
- Providing designated bike paths or protected bike lanes as part of the closure can reduce conflicts between bicycle users and pedestrians while maintaining access for those connecting to and from Union Station by bicycle. Riding through the plaza can be mitigated and made safer for all by incorporating a formal bikeway connecting to the existing Los Angeles Street bikeway facility. Doing so can make the connection between Los Angeles Street and the Alameda esplanade more intuitive and safer for bicycle users because it reduces ambiguity about how they should behave and where they belong. This is especially true since as currently proposed, the plan removes existing bicycle infrastructure without replacing it in any form.

In view of SB 743, the Governor's Office of Planning and Research (OPR) is working to develop an alternative to LOS for evaluating transportation impacts pursuant to CEQA. Such as using Vehicle Miles Traveled (VMT) as the primary metric in identifying transportation impacts for all future development projects. Once OPR provides new guidance, Caltrans hopes to collaborate with the City to adopt methods of traffic analysis and new thresholds that are mutually acceptable.

As a reminder, transportation of heavy construction equipment and/or materials, which requires the use of oversized-transport vehicles on State highways, will require a Caltrans transportation permit. Caltrans recommends that large size truck trips be limited to off-peak commute periods.

Storm water run-off is a sensitive issue for Los Angeles and Ventura counties. Please be mindful that project needs to be designed to discharge clean run-off water and it is not permitted to discharge onto State highway facilities.

If you have any questions or concerns regarding these comments, please feel free to contact the project coordinator, Frances Lee at (213) 897-0673 or electronically at frances.lee@dot.ca.gov.

Sincerely,



DIANNA WATSON

Branch Chief, Community Planning & LD IGR Review

cc: Scott Morgan, State Clearinghouse

Williams, Marquis

From: sam dunlap <samdunlap@earthlink.net>
Sent: Tuesday, January 31, 2017 4:11 PM
To: Carvajal, Elizabeth
Subject: Re: LA Union Station Forecourt and Esplanade Improvements Project EIR Scoping Comments

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Ms Carvajal,

Thank you for inviting me to comment on the proposed project. My comments reflect the concerns of the Gabrielino Tongva Nation with respect to the cultural resources of our tribal group.

The Gabrielino Tongva Nation will recommend that adequate mitigation measures will be implemented during the construction phases of the project that will protect and minimize any potential impact to the cultural resources of our tribe. The Gabrielino Tongva Nation will expect to have direct involvement in any Native American monitoring component for the proposed project.

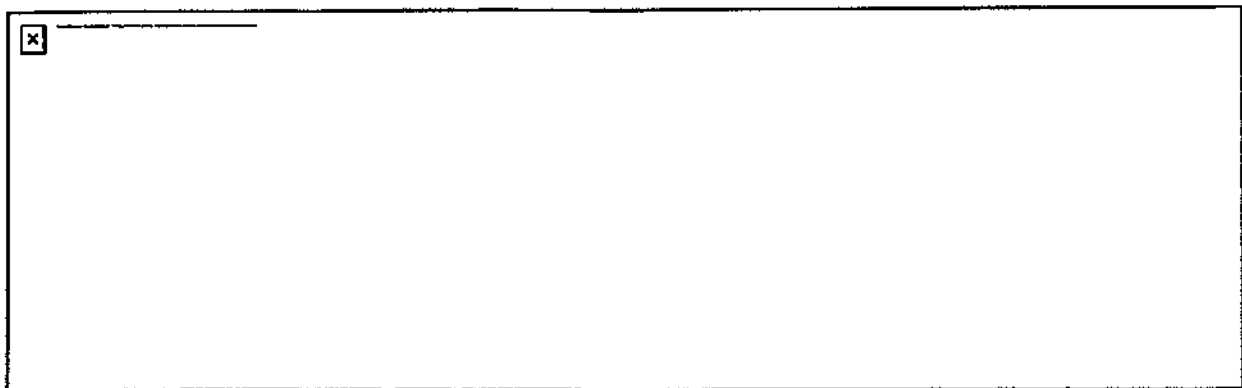
I will be available for further consultation as the environmental review process progresses.

Sincerely,

Sam Dunlap
Cultural Resource Director
Gabrielino Tongva Nation
909-262-9351 cell

-----Original Message-----

From: LA Union Station Forecourt & Esplanade Improvements Project
Sent: Jan 30, 2017 4:12 PM
To: samdunlap@earthlink.net
Subject: LA Union Station Forecourt and Esplanade Improvements Project EIR Scoping Comments



Thanks to those of you who were able to join us for the

Scoping Meeting on Thursday, January 26.

If you were not able to attend, the [Scoping Meeting presentation](#) is available online - and we would still like your input. Please submit written comments by January 31, 2017, to:

Elizabeth Carvajal, Senior Manager
LAUS Forecourt and Esplanade Improvements
Metro
One Gateway Plaza, MS 99-23-4
Los Angeles, CA 90012

Or by email to carvajale@metro.net

Metro has initiated the environmental clearance process [California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)] for the Los Angeles Union Station Forecourt and Esplanade Improvements project. This project will enhance pedestrian and bicycle access to and from Los Angeles Union Station, and reestablish the connection between the station and surrounding communities.

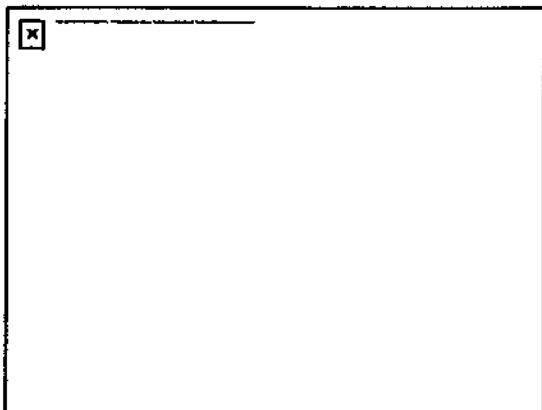
Metro has secured Active Transportation Program grant funds that contain federal monies, which triggers the requirement for compliance with NEPA. The California Department of Transportation, acting on behalf of the Federal Highway Administration will serve as the Federal Lead Agency. Consistent with the provisions of 23 Code of Federal Regulations §771.117, it is anticipated that a Categorical Exclusion will be used to demonstrate compliance with NEPA.

For more information:

Phone: 213.922.3084

Email: carvajale@metro.net

Website: metro.net/unionstation



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This email was sent to samdunlap@earthlink.net.
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Bus & Rail Transit information
323.GO.METRO (323.466.3876)
6:30am - 7pm (Monday - Friday)
8:00am - 4:30pm (Saturday/Sunday)



Williams, Marquis

From: Marks,Alexander S <AMarks@mwdh2o.com>
Sent: Tuesday, January 31, 2017 4:18 PM
To: Carvajal, Elizabeth
Subject: NOP EIR Los Angeles Union Station Forecourt and Esplanade Improvements - Metropolitan Water District comments
Attachments: NOP DEIR LAUS - Forecourt and Esplanade Improvements MWD comments 1-31-17.pdf

Dear Ms. Carvajal -

Please find the Metropolitan Water District of Southern California's comment letter on the Los Angeles Union Station Forecourt and Esplanade Improvements Project Notice of Preparation of a Draft Environmental Impact Report attached.

A hard copy is also being sent via U.S. mail. Please contact me if you have any questions.

Sincerely,

Alex Marks

Alex Marks, AICP

Associate Environmental Specialist

Environmental Planning Team

The Metropolitan Water District

(213) 217-7629

This communication, together with any attachments or embedded links, is for the sole use of the intended recipient(s) and may contain information that is confidential or legally protected. If you are not the intended recipient, you are hereby notified that any review, disclosure, copying, dissemination, distribution or use of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return e-mail message and delete the original and all copies of the communication, along with any attachments or embedded links, from your system.



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

January 31, 2017

Via Email and Regular Mail

Ms. Elizabeth Carvajal
Metro Transportation Planning Manager
One Gateway Plaza
Mail Stop 99-23-4
Los Angeles, California 90012

Dear Ms. Carvajal:

Notice of Preparation of a Draft Environmental
Impact Report for the Los Angeles Union Station – Forecourt and Esplanade Improvements

The Metropolitan Water District of Southern California (Metropolitan) reviewed the Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) for the proposed Los Angeles Union Station (LAUS) Forecourt and Esplanade Improvements (proposed project). The DEIR for the proposed project will describe the goals and objectives, baseline environmental conditions in the project study area, potential significant environmental effects associated with implementation of the proposed project, feasible mitigation measures, and alternatives. As an adjacent landowner and potentially affected responsible public agency, we appreciate the opportunity to comment on the proposed project and NOP for the DEIR.

As stated in the NOP, the proposed project will focus on perimeter improvements to enhance connectivity to LAUS and includes improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Union Station Forecourt. Specific improvements would include: construction of a multi-use esplanade on the east side of Alameda Street; deletion of the northern Union Station driveway on Alameda Street; removal of the short-term parking lot adjacent Alameda Street to create a civic plaza; and reconfiguration of Alameda Street from three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median, and curb side drop-off on the east side of the Street.

Metropolitan is a public agency and regional water wholesaler. It is comprised of 26 member public agencies serving about 19 million people in portions of six counties in Southern California, including Los Angeles. Metropolitan's mission is to provide its 5,200 square mile service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way. Metropolitan's Headquarters Building (HQB) is located adjacent to the southern boundary of LAUS. The building is an approximately 522,682-square-foot, concrete-frame structure consisting of a 12-story high-rise

Ms. Elizabeth Caravajal

Page 2

January 31, 2017

tower with an attached five-story wing. The occupants of the HQB include approximately 840 Metropolitan staff, 200 tenants, and frequent visitors including Metropolitan's Board of Directors and the public. However, Metropolitan's certificate of occupancy allows for a maximum capacity of 2,562 occupants, and thus, the DEIR should analyze the maximum occupancy levels for traffic and ingress/egress impact analysis. An exhibit depicting the building and Metropolitan's associated fee property, and permanent and common use easements in relation to Metro's LAUS (under existing conditions) is enclosed for your reference.

Issues of importance to Metropolitan that should be considered during Metro's continued project planning and analysis of the environmental impacts in the EIR include transportation and vehicle circulation on the LAUS roadways that provide ingress to and egress from the HQB via Alameda Street and Cesar Chavez Avenue, and emergency service provider access to the building. We are particularly concerned about the proposed project's redesign of the vehicle travel lanes that provide entry and exit to LAUS at Alameda Street and reduction of travel lanes on Alameda Street. The DEIR's traffic study should include an analysis of the effect of these improvements on vehicular and pedestrian traffic throughout LAUS, including travel to and from Metropolitan's HQB, and on the adjacent public roads during both the peak and non-peak travel hours.

Metropolitan is also concerned about safety and structural issues related to construction of the proposed project in proximity to the HQB, which should be considered in the Project's planning and analyzed in the EIR. Consequently, the proposed improvements should avoid impacts to the HQB and Metropolitan's fee property and should not unreasonably interfere with access to Metropolitan's HQB by our employees, tenants, and visitors, both pedestrian and vehicular. The construction of each improvement that may impact Metropolitan operations needs to be coordinated with Metropolitan's facilities manager and be addressed in the DEIR to ensure that access to our HQB is not unreasonably interfered with nor significantly affected by dust, noise, or other construction affects. Metropolitan's ability to continue operations during construction without interruption needs to be reasonably coordinated and accommodated.

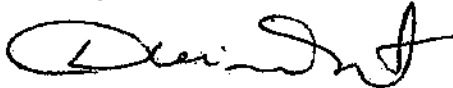
Metropolitan met with Metro's planning team in September 2016 to discuss the proposed project, then a component of the previously proposed LAUS Master Plan project, and Metropolitan's proposed HQB seismic improvement project. Metropolitan also submitted a comment letter on the NOP for the LAUS Master Plan project, which is enclosed and incorporated by reference. Construction of Metropolitan's project is anticipated to begin in late 2018 and continue possibly through mid-2022. Although the majority of the work is anticipated to occur at night, construction-related deliveries are expected to take place during daytime hours. Additionally, daytime construction is planned for Fridays and weekends. As discussed during the September meeting, Metropolitan anticipates that the Union Station driveways on Alameda Street would be used for construction access (ingress/egress) during the seismic improvement project and this

Ms. Elizabeth Caravajal
Page 3
January 31, 2017

construction activity should be considered as planning and environmental studies for the proposed project continue.

We appreciate the opportunity to provide input to your planning process and we look forward to continue working with Metro on the proposed project. For further assistance or additional information on any of the items addressed above, please contact Mr. Alex Marks at (213) 217-7629.

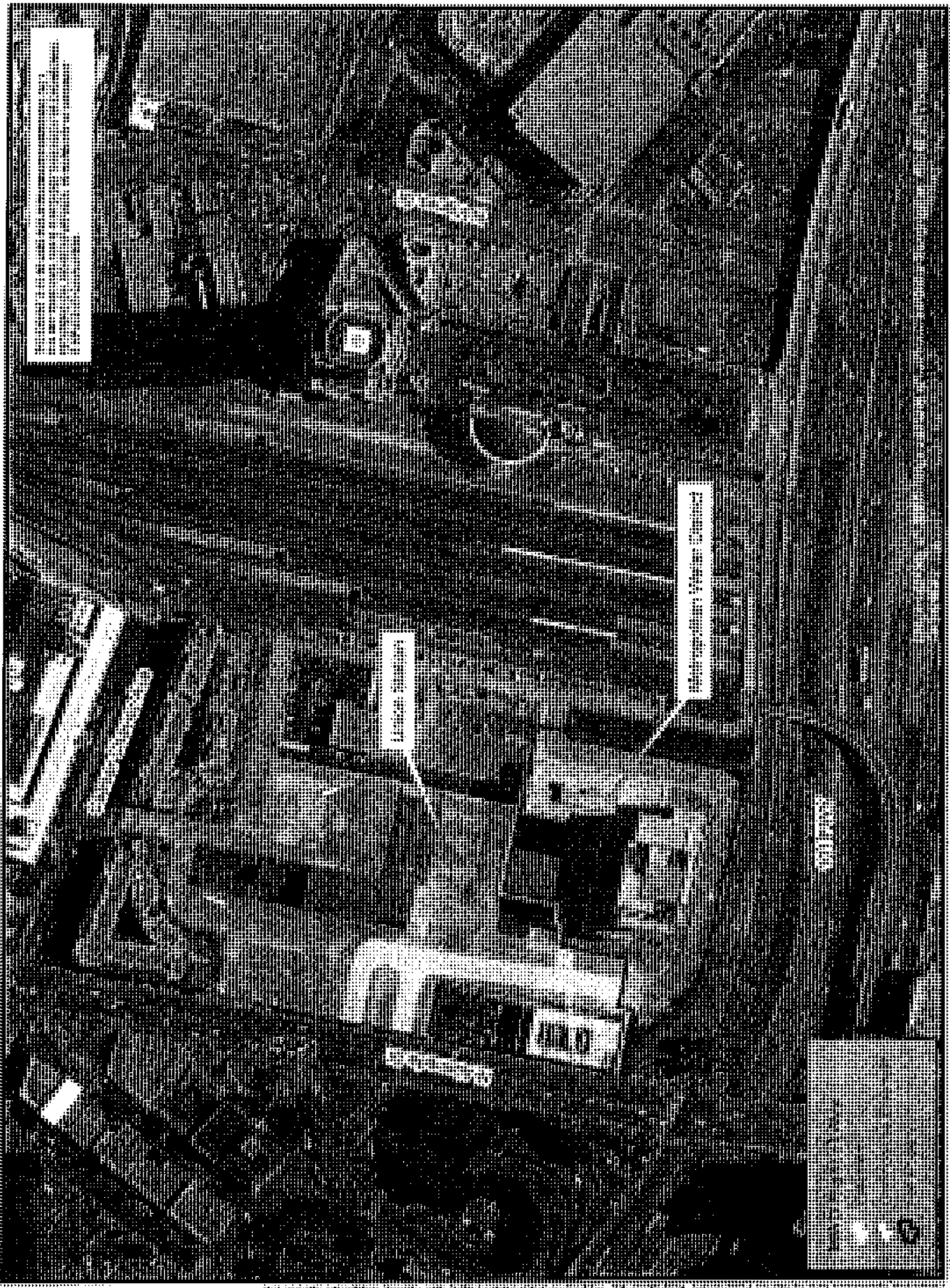
Very truly yours,



Deirdre West
Manager, Environmental Planning Section

AM/am
EPT Job # 20170116EXT

Enclosures: Exhibit depicting Metropolitan's Headquarters Building and associated fee property and permanent easements in the project vicinity; and Metropolitan comment letter on NOP for LAUS Master Plan project, dated April 19, 2016.



1. The first building is the main control room, which is located in the center of the facility. It is a large, rectangular building with a flat roof and several windows. It is surrounded by other buildings and a paved area.

2. The second building is the main processing plant, which is located to the left of the control room. It is a large, rectangular building with a flat roof and several windows. It is surrounded by other buildings and a paved area.

3. The third building is the main storage tank, which is located to the right of the control room. It is a large, cylindrical structure with a flat top and a conical bottom. It is surrounded by other buildings and a paved area.

4. The fourth building is the main cooling tower, which is located to the right of the storage tank. It is a large, cylindrical structure with a flat top and a conical bottom. It is surrounded by other buildings and a paved area.

Figure 1: Aerial view of the industrial facility. The image shows several large buildings and a central structure, likely a cooling tower or chimney. The buildings are arranged in a semi-circular pattern around the central structure. The surrounding area appears to be a mix of paved surfaces and vegetation.

Figure 2: Aerial view of the industrial facility. The image shows several large buildings and a central structure, likely a cooling tower or chimney. The buildings are arranged in a semi-circular pattern around the central structure. The surrounding area appears to be a mix of paved surfaces and vegetation.



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

April 19, 2016

Via Electronic and Regular Mail

Ms. Elizabeth Carvajal
Metro Transportation Planning Manager
One Gateway Plaza
Mail Stop 99-23-4
Los Angeles, California 90012

Dear Ms. Carvajal:

Notice of Preparation of a Draft
Program Environmental Impact Report for the Los Angeles Union Station Master Plan

The Metropolitan Water District of Southern California (Metropolitan) reviewed the Notice of Preparation (NOP) of a Draft Program Environmental Impact Report (PEIR) for the proposed Los Angeles Union Station Master Plan (Master Plan or proposed project). The PEIR for the Master Plan will describe the goals and objectives, baseline environmental conditions in the project study area, potential significant environmental effects associated with implementation of the proposed project, feasible mitigation measures, and alternatives. As an adjacent landowner and potentially affected responsible public agency, we appreciate the opportunity to comment on the proposed Master Plan and NOP for the PEIR.

As stated in the NOP, the proposed project would include improvements contemplated by the Master Plan and necessary amendments to the Central City North Community Plan, and the Alameda District Specific Plan and associated Development Agreement and Vesting Tentative Tract. The improvements would be implemented in the following stages: Stage 1, Near Term Improvements; Stage 2, Transit Improvements, Development Program and Connectivity; and Stage 3, High Speed Rail. The proposed Stage 1 improvements will be analyzed at a project level of analysis and Stages 2 and 3 at the program level in the PEIR. The NOP indicates further that the Stages do not necessarily reflect order of implementation.

Metropolitan is a public agency and regional water wholesaler. It is comprised of 26 member public agencies serving about 19 million people in portions of six counties in Southern California, including Los Angeles. Metropolitan's mission is to provide its 5,200 square mile service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way. Metropolitan's Headquarters Building (HQB) is located adjacent to the southern boundary of Union Station, east of the First 5LA building, and north of the 101 Freeway. The building is an approximately 522,682-square-

Ms. Elizabeth Carvajal

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April 19, 2016

foot, concrete-frame structure consisting of a 12-story high-rise tower with an attached five-story wing. The occupants of the HQB include approximately 840 Metropolitan staff, 200 tenants, and frequent visitors including Metropolitan's Board of Directors and the public. An exhibit depicting our HQB and Metropolitan's associated fee property and permanent easements in relation to Metro's Union Station (under existing conditions) is enclosed for your reference.

Metropolitan appreciates being given the opportunity to participate in Metro's Community Advisory Committee meetings for the proposed Master Plan and we are generally supportive of the proposed project. Issues of importance to Metropolitan that Metro should consider during its analysis of the Master Plan's potential environmental effects include vehicle circulation on the Union Station roadway that provides ingress to and egress from Metropolitan's HQB, emergency services access to the HQB, structural aspects of the construction of buildings and improvements located adjacent to the HQB, and security. Following, for your consideration are Metropolitan's specific comments on the NOP for the PEIR and Metro's proposed Master Plan.

We are concerned about the Master Plan's proposed redesign of the vehicle travel lanes that provide entry and exit to Union Station at Alameda Street. The PEIR's traffic study should include an analysis of the effect of these improvements on vehicular traffic throughout Union Station, including travel to and from Metropolitan's HQB, and on the adjacent public roads for each of the Master Plan's proposed three stages. The traffic study should also analyze the effect of the removal of the left turn exit from Union Station onto Alameda Street under the Master Plan's proposed Stage 2 improvements on the ability of Metropolitan's HQB and other Union Station vehicle traffic to access the nearby 101 Freeway on-ramps, including during the peak travel hours.

Additionally, it appears based on our review of the proposed Master Plan exhibits that upon the completion of the Stage 2 improvements the existing Union Station rear access road would be removed. Metropolitan is concerned that if this road were to be removed we would no longer have vehicular access to and from Metropolitan's HQB via Cesar Chavez Avenue and would be left with the driveway at Alameda Street being our only vehicle access to a public road. In the event of a fire or other emergency, the removal of the road would potentially limit the ability of emergency responders to access Metropolitan's HQB or the rear portion of Union Station compared to under current conditions. Therefore, in combination with the Master Plan's proposed improvements to the Alameda Street access ways, the closing of the rear access road could result in significant effects on vehicular traffic, emergency response, and building security, which should be analyzed in the PEIR.

Due to the proximity of improvements in the proposed Master Plan, such as the hotel and office building identified on the "Development Program @ 3.25m sf" exhibit included in Metro's "Union Station Master Plan, An Overview" document to Metropolitan's HQB, the PEIR should include a structural analysis of the effects of the proposed project on our building and associated Metropolitan facilities. The improvements considered in the Master Plan should be planned and

Ms. Elizabeth Carvajal

Page 3

April 19, 2016

constructed to avoid impacts to the HQB's basement walls, foundation system, and building tiebacks. The PEIR should also include an analysis of the increased vehicle use, including the effects of heavy and delivery trucks on the roadway around Metropolitan's HQB to access the proposed Master Plan improvements and parking structure which would be constructed to the east. The increased vehicular traffic resulting from implementation of the proposed project should not block the main entrance and exit to Metropolitan's HQB parking garage nor affect the access road's integrity.

While Metropolitan supports and promotes sustainable transportation methods, we are concerned that the proposed Master Plan identifies (per the Connectivity: Bicycle Access Diagram in Metro's "Union Station Master Plan, An Overview" document) the HQB courtyard and Union Station access road as a primary pedestrian and bike pathway route to and from the intersection of Arcadia Street and Alameda Street and the El Monte Busway. As indicated on the previously noted enclosed exhibit, this courtyard and roadway are owned and maintained by Metropolitan. Currently, the use of the existing pedestrian walkways on the west side of Union Station and path of travel across the access road is taxing to the vehicles traveling on the road, particularly during the peak travel hours, and many pedestrians cross the road in an unsafe manner. In light of the improvements proposed in the Master Plan, which would be anticipated to result in additional vehicular traffic on the access road adjacent to Metropolitan's HQB, the safe crossing by pedestrians and bicyclists across the road may likely become more of an issue. Consequently, we recommend that Metro consider including in the Master Plan and evaluate in the PEIR an alternative route, such as the station's Alameda Street main entrance, to serve as the primary pedestrian and bicycle connection to areas west of Union Station.

Construction and operation of the improvements considered in the Master Plan should not unreasonably interfere with access to Metropolitan's HQB by our employees, tenants, and visitors. The construction of each Master Plan improvement that may impact Metropolitan operations needs to be coordinated with Metropolitan's facilities manager and be addressed in the PEIR to ensure that access to our HQB is not unreasonably interfered with nor significantly affected by dust, noise, or other construction affects. The PEIR should also include an approximate timeline for each stage of the project's build out scenarios and an analysis of the environmental effects of the Master Plan at each stage of its implementation. Furthermore, we respectfully request that Metro include Metropolitan's HQB security staff manager in all planning meetings throughout construction to ensure that security for the HQB building is maintained at a level commensurate to its need and designation as critical infrastructure. Metropolitan's ability to continue operations during construction without interruption needs to be reasonably coordinated and accommodated.

Ms. Elizabeth Carvajal

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April 19, 2016

We appreciate the opportunity to provide input to your planning process and we look forward to continue working with Metro on the proposed Master Plan, as we had previously on the Community Advisory Committee. For further assistance or additional information on any of the items addressed above, please contact Mr. Alex Marks at (213) 217-7629.

Very truly yours,

Vivhi Dee Bradshaw

~~For~~

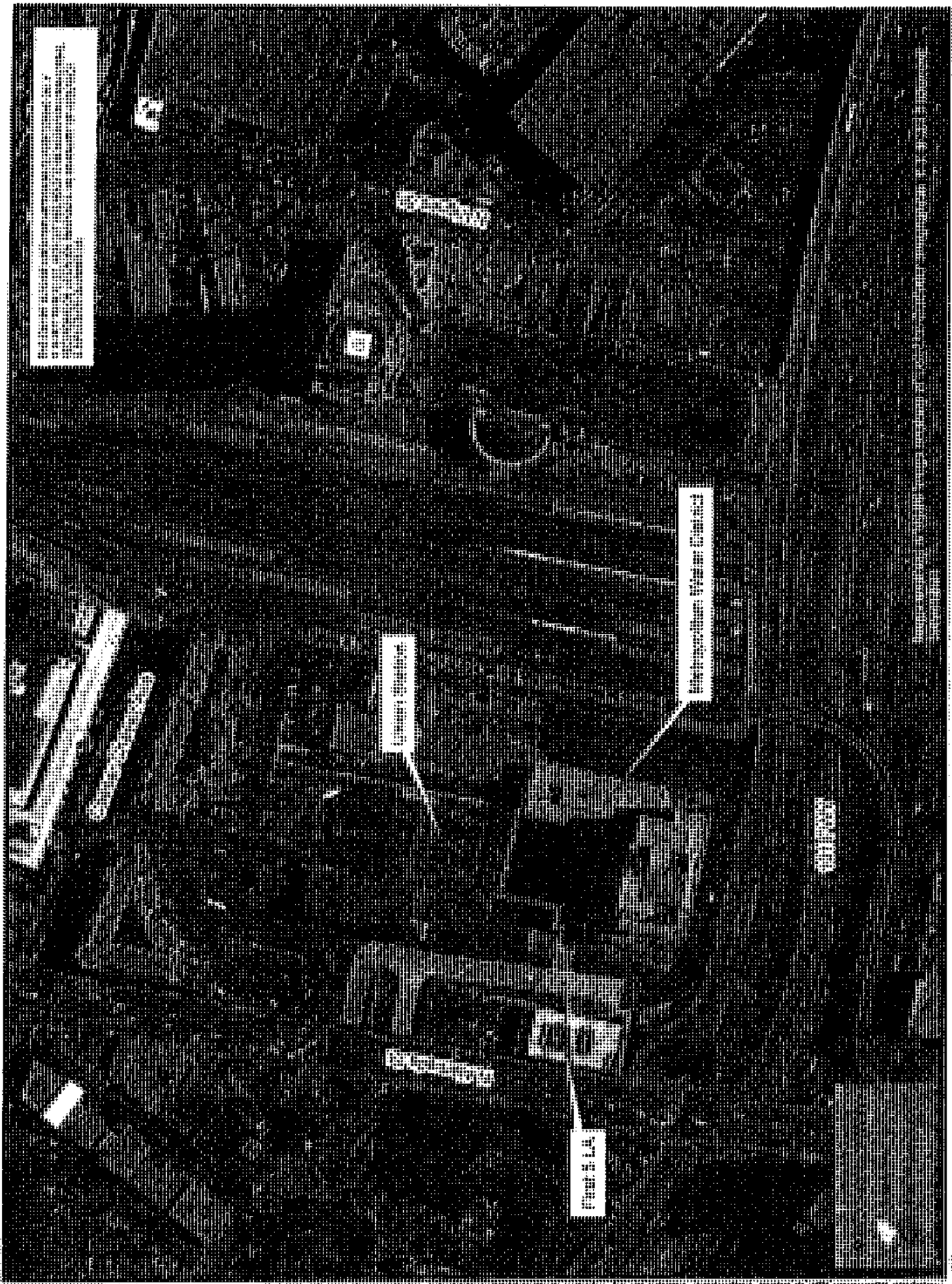
Deirdre West

Team Manager, Environmental Planning Team

AM/am

EPT Job #20160419EXT

Enclosure: Exhibit depicting Metropolitan's Headquarters Building and associated fee property and permanent easements in the project vicinity



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Williams, Marquis

From: Jesse Fuller <jeshii@gmail.com>
Sent: Tuesday, January 31, 2017 4:39 PM
To: Carvajal, Elizabeth
Subject: No Dismount Zones in Los Angeles!!!

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

I just received word that Metro is planning to remove a bike lane and add a dismount zone at Union Station. This is criminal. No, seriously, this sort of thing 1) does not prevent cyclists from riding their bikes and 2) causes cyclists (usually people of color) to be needlessly criminalized.

No one likes a dismount zone. The one in Redondo Beach is particularly awful. You do know cyclists sometimes wear funny shoes that are hard to walk in, right?

Cyclists don't like it and pedestrians don't like sharing space with cyclists who they will see as "criminals." There really needs to be places set aside for all modes. Please reconsider Dismount Zones anywhere they are planned.

Thank you,
Jesse Fuller
jeshii@gmail.com
Los Angeles Homeowner and Frequent Union Station User

Williams, Marquis

From: Damian Robledo <damian.g.robledo@gmail.com>
Sent: Tuesday, January 31, 2017 5:43 PM
To: Carvajal, Elizabeth
Subject: Bike Lanes - Union Station

Hi,

As a native Angeleno who drives, bikes and walks, I wanted to share my opinion that dismount zones do not work and would like to suggest designated bike lanes for connection to and from Union Station.

Thank you,

Damian Robledo
damian.g.robledo@gmail.com
(323) 363-1663

Williams, Marquis

From: Carol Feucht <carol@la-bike.org>
Sent: Tuesday, January 31, 2017 5:48 PM
To: Carvajal, Elizabeth
Cc: Tamika Butler
Subject: Comments on Union Station Forecourt & Esplanade Improvements Project
Attachments: LACBC_Union_Station_Comments_2017_01_31.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Elizabeth,

Attached are LACBC's comments on the Union Station Forecourt & Esplanade Improvements Project. Please let us know if you need further clarification or have any questions.

Thank you!

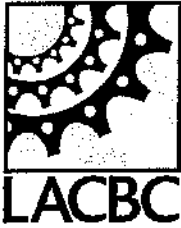
Carol

--
Carol Feucht
Communications Director
Los Angeles County Bicycle Coalition

634 South Spring Street, Suite 821, Los Angeles, CA 90014
carol@la-bike.org | T: (213) 629-2142 ext. 116
www.la-bike.org | [Facebook](#) | [Twitter](#) | [Instagram](#)

Help make L.A. County a healthy, safe, and fun place to ride a bike: [Become an LACBC member today!](#)





Los Angeles County Bicycle Coalition
634 S. Spring St. Suite 821
Los Angeles, CA 90014
Phone 213.629.2142
www.la-bike.org

Elizabeth Carvajal, Senior Manager
LAUS Forecourt and Esplanade Improvements
Metro
One Gateway Plaza, MS 99-23-4
Los Angeles, CA 90012
carvajale@la-bike.org

Re: Comments on Union Station Forecourt and Esplanade Improvements Project

Dear Ms. Carvajal:

Thank you for the opportunity to comment on the environmental scoping for the Union Station Forecourt and Esplanade Improvements Plan. We are extremely excited about the opportunity this project offers to improve neighborhood connections to Union Station for people biking and walking. However, the Los Angeles County Bicycle Coalition (LACBC) has a few concerns regarding plan.

Our main concern is with the pedestrian and cyclist plaza. Referring to it as a "cyclist plaza" implies that it is a bicycle facility, when the plan appears to indicate that people with bikes are required to walk bikes. Page 48 of the Connect Us Los Angeles Union Station Plan shows purple dashed lines where people on bikes are required to dismount and walk their bikes, making it a plaza for primarily for people who walk, not people who bike. More clarification on this is needed.

If the project aims to improve biking conditions to Union Station and make first mile/last mile connections safer and more convenient, future plans should include real solutions for biking to and from Union Station and connect with transit. LACBC urges Metro to consider protected bike lanes and marked paths to make bicycling more accessible, especially if the southbound protected bike lane on Los Angeles Street is to be eliminated. With Metro Bike Share servicing Union Station and the Downtown L.A. area, offering easy options for biking to and from Union Station is crucial for both Angelenos and people visiting from out of town.

LACBC hopes that Metro reviews the initial design with consideration for all users, evaluates usage of the protected bike lanes on Los Angeles Street, and determines the best design strategy that ensures the safety and convenience of people that bike and people who walk.

Sincerely,

Tamika L. Butler, Esq.
Executive Director
Los Angeles County Bicycle Coalition
tamika@la-bike.org

Williams, Marquis

From: XAVIER ARAMBULA <arambula@g.ucla.edu> on behalf of Xavier Arambula <x.man@ucla.edu>
Sent: Tuesday, January 31, 2017 6:25 PM
To: Carvajal, Elizabeth
Subject: Scoping Meeting Presentation Comments

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

The plans for the new Los Angeles Union Station Forecourt and Esplanade Improvements look very good and will be a huge improvement over the existing configuration.

Ideally, I would prefer for there to be an actual grade separation on Alameda where the main crossing from the Forecourt to the Pueblo would exist. You might even be able to design a much wider crossing/connection with a grade separation. I envision traffic lanes dipping below grade in both directions on Alameda at the point where the crossing would be from Union Station to the Pueblo. I would also terminate Los Angeles street at Arcadia and recover/repurpose that short, weird angled stub of Los Angeles Street for recreation/pedestrian/bike access. This would allow for a true seamless crossing/connection/extension from Union Station to the historic Pueblo. It would be a grand sight to behold.

I've lived my whole life in Los Angeles and can honestly say it's never been more exciting to live in this beautiful city of the angels. There are so many wonderful projects going on throughout the city. From expanding public transit lines (including the LA Streetcar), to new museums and restaurants, to new sports facilities, LAX improvements, and much needed housing in DTLA.

I live in Commerce and work at UCLA. It's a long and heavily trafficked daily route. The other day as I was sitting in traffic near DTLA and I decided to start counting how many construction cranes I could see from my car. Well, I counted ELEVEN! Actually, I almost got into an accident trying to stretch my neck as much as possible to get a better look. LOL!

In a few weeks, I plan to take the Gold Line into DTLA and document all that activity with my camera. I'll make a day of it, walk around, find a place to eat I've never been to before and take some pictures and video. I've always loved photography and film. I picked it up from my dad may he rest in peace. He passed about 10 years ago, and I know he would have gotten a kick out of doing something like this with me.

Sincerely,

-Xavier Arambula
I LOVE LA!

Williams, Marquis

From: Ben Nero <ben.nero@gmail.com>
Sent: Tuesday, January 31, 2017 7:26 PM
To: Carvajal, Elizabeth

Follow Up Flag: Follow up
Flag Status: Flagged

Metro,

Please, please, please do not delete a bike lane from Los Angeles St. There needs to be a direct connection into Union Station for bikes, no dismount zones. Crazy to think you are going to still allow cars to enter from Alameda st. but someone with a bike has to walk all the way to Olvera St until they can ride their bike. No dismount zones, put proper separated bike lanes that connect to the current Los Angeles st. bike lanes.

Thanks,

Ben Nero
4148 1/2 Normal ave
Los Angeles CA
90029

Carvajal, Elizabeth

From: Daniel G. Miller <danielgmiller1@aol.com>
Sent: Wednesday, February 01, 2017 3:07 PM
To: susan.macadams@gmail.com
Cc: Carvajal, Elizabeth
Subject: Re: NOTICE OF PREPARATION (NOP) Scoping Comments for the Los Angeles Union Station Forecourt and Esplanade Improvements

Hello again Susan MacAdams --

Yes I agree that the comment period should be extended 30 days.

Also, I have a question: For me, the existing palm trees in front of Union Station, add to the attractiveness of the entrance to Union Station. Are these rows of trees proposed to be left in tact?

Daniel Miller

-----Original Message-----

From: Susan MacAdams <susan.macadams@gmail.com>
To: Elizabeth Carvajal <carvajale@metro.net>
Cc: Calvin Hollis <hollisc@metro.net>; Jenna Hornstock <hornstockj@metro.net>; Leahy, Art <leahya@scrra.net>; Teresa Lamb <Teresa.Lamb@mail.house.gov>; Valerie Martinez <valerie.martinez@vmapr.com>; Board Secretary <holmank@scrra.net>; Jeanet Owens <owensj@metro.net>; Fielding, Karl <fieldingk@pbworld.com>; Paul Krekorian <councilmember.krekorian@lacity.org>; Secretary SANBAG <twatkins@sanbag.ca.gov>; Sylvia Ballin <sbballin@sfcity.org>; jfajardo <jfajardo@sfcity.org>; Marsha McClean <mmclean@santa-clarita.com>; Professor Martin Wachs <mwachs@ucla.edu>; Mayor Lauren Weste <lweste@santa-clarita.com>; Paul Dyson <pauljdyson@yahoo.com>; Ron Mathieu <mathieur@scrra.net>; englanderw <englanderw@scrra.net>; washingtonp <washingtonp@metro.net>; mayor.garcetti <mayor.garcetti@lacity.org>; garellano <garellano@arellanoassociates.com>; dan.tempelis <dan.tempelis@hatchmott.com>; Mary Lou Echternach <Echternachm@metro.net>; fasanaj <fasanaj@accessduarte.com>; Ara Najarian <anajarian@ci.glendale.ca.us>; sheila <sheila@bos.lacounty.gov>; kbarger <kbarger@lacbos.org>; mike.bonin <mike.bonin@lacity.org>; mayor <mayor@cityofinglewood.org>; robert.garcia <robert.garcia@longbeach.gov>; hahn <hahn@bos.lacounty.gov>; firstdistrict <firstdistrict@bos.lacounty.gov>; markridley-thomas <markridley-thomas@bos.lacounty.gov>
Sent: Tue, Jan 31, 2017 2:53 pm
Subject: NOTICE OF PREPARATION (NOP) Scoping Comments for the Los Angeles Union Station Forecourt and Esplanade Improvements

Susan MacAdams
Track and Alignment Specialist
130 E. Montecito Ave, Unit 211
Sierra Madre, CA 91024
Susan.macadams@gmail.com
310-994-8407

January 31, 2017

Elizabeth Carvajal
Transportation Planning Manager
Los Angeles County
Metropolitan Transportation Authority (Metro)
One Gateway Plaza
Los Angeles, CA 90012

RE: NOTICE OF PREPARATION (NOP)
Scoping Comments for the Los Angeles Union Station Forecourt and Esplanade Improvements, Environmental Impact Report (EIR)

Dear Ms. Carvajal:

Metro has initiated the environmental clearance process with the California Environmental Policy Act (CEQA) for the Los Angeles Union Station Forecourt and Esplanade Improvements Project. The City of Los Angeles is the cooperating agency as many of the improvements will take place within City jurisdiction.

A community meeting was held by Metro on January 26, 2017 at Union Station. The public comments deadline was just three business days later on January 31, 2017.

These submitted comments address the changes proposed for Alameda Street, Los Angeles Street and the Union Station Forecourt.

1.) In front of Union Station, on the east side of Alameda Street, shade trees are shown on the plan.

a.) Trees cannot be planted in this location because there is a large storm drain (9 to 10 feet in diameter) directly below the surface of the sidewalk. Tree roots damage sidewalks and equally damage underground storm drains. It is highly unlikely that City of Los Angeles, Bureau of Engineering, Stormwater Division, Department of Public Works, will permit the planting of any trees on the east-side of Alameda. The roots would damage this important piece of critical infrastructure necessary for draining flood water away from Olvera Street, Union Station and downtown Los Angeles. See photos 1 & 2, Los Angeles 1938 flood. There are no trees on the east side of Alameda street for this reason. This element of the proposal should be dropped from study in the EIR.

b.) Trees can be planted on the west side of Alameda Street, but there are already trees on this side of the street. Do you plan to remove those trees and plant new ones? This would be a duplication of effort.

2.) On both the east and west side of Alameda Street, traffic lanes would be eliminated. Alameda Street is currently overburdened with rush hour traffic. Emergency teams, such as fire and police, must travel in the opposite lanes, weaving against traffic. Eliminating two lanes of traffic will create an additional bottleneck where traffic is at a stand-still in both directions. The Los Angeles Fire Department and LAPD will not allow this bottleneck to occur for reasons of public safety.

Reducing the number of traffic lanes into Union Station and eliminating the roadways that connect the front of the station to the side area presently used by Amtrak buses will impact public safety. The Red Line subway emergency exits are located near the Amtrak bus stop. The Department of Homeland Security would have authority over the decisions made by Metro Planners and facilitating a large emergency at Union Station where one hundred ambulances are needed should be incorporated into the designs; large scale accidents have happened at train stations around the world. Eliminating vehicular lanes that connect the front drive to the Cesar Chavez exit will prevent emergency vehicles access to the station with the same ability as present. This alternative should be dropped from study in the EIR.

3.) The partial closure of Los Angeles Street has been proposed for decades; this is an excellent idea for further development. But at present, there is a serious drawback to the plans. From Alameda Street to El Pueblo there is a significant rise in elevation; the Plaza is about sixteen feet higher than Union Station. For some pedestrian this will feel like a two story climb over a distance of only 250 feet.

Across the street from Union Station is the Placita de Dolores, a beautiful half-acre park. To enter this park one must climb fourteen steps upwards from Alameda. These steps are not shown in your renderings. See photo 3, steps on Alameda. At the back of the park, there is another set of nine steps leading from the Placita de Dolores to the El Pueblo Historic Plaza. See photo 4, steps behind the Placita de Dolores to the Historic Plaza. The total number of steps from Alameda Street to the Plaza is twenty-three.

The rendering of Los Angeles Street on display at the scoping meeting showed a wide flat pedestrian pathway from Union Station to the Historic Plaza which was misleading. There is a steep climb creating a hindrance for seniors and disabled. It poses a vertical challenge for anyone pulling a suitcase.

Solution: Build a pedestrian bridge across Alameda that carries pedestrians from the entrance of Union Station to El Pueblo Historical Monument. The bridge could start at the main front exit of Union Station and include elevators and escalators for the elderly and disabled. Design the bridge as a memorable, historic attraction to Union Station.

Denver pedestrian bridge design:

http://denverinfill.com/images/blog/2007-05/2007-05-08_18th_ped3.jpg

4.) Eliminate the reconfiguration of the approximately 60-space parking lot into LAUS forecourt as a civic space and seating area. Instead use the area for transit buses.

There are currently two parks directly across the street from Union Station, Placitas de Dolores (see photos 3,4,5, & 6) and Father Sierra Park; each park is larger than the new proposed civic space in front of Union Station. These parks have mature shade trees, seating and historical monuments. Yet both parks are under-utilized by the general public except for the homeless. Until the homeless problem is solved, creating more parks only makes policing them more difficult.

In addition, there are two public courtyards at Union Station, each with flower gardens, benches, and historic architecture. These gardens are accessed from either side of the main central waiting room. Both of these public outdoor areas are underutilized; people prefer to sit inside the station in large chairs while waiting for their trains.

There is another public space located at the Metropolitan Department Building. This courtyard can be easily accessed from the south facing above mentioned interior courtyard. This public space has shade trees, beautiful fountains, tables with chairs and landscaping with mosaics and distinctive stonework. There is a public cafeteria just inside the building. This garden is rarely filled to capacity, even at lunchtime.

Solution: Do not eliminate the parking lot to build another public space. Change the existing use to a DASH bus pick-up and drop off area. At present, three local DASH bus routes stop in or near Union Station: Route B, Chinatown, Financial district; Route D Union Station, South Park; and DASH Lincoln Heights/ Chinatown. All three bus routes could be reconfigured by the Los Angeles Department of Transportation (LADOT) to enter this parking lot at Union Station for passenger pick-up and drop-off. This would greatly enhance the public access to Union Station.

Here is a photo of a similar bus facility in Palmdale adjacent to the Metrolink Station:

<http://subwaynut.com/california/metrolink/palmdale/palmdale1.jpg>

5.) Over the last six years, Metro spent over ten millions dollars on the Union Station Master Plan and yet all that remains is one crosswalk across Alameda Street where there currently exists a fully modernized crosswalk. At the Metro Board Meeting held on Thursday January 26, 2017, the Metro Board approved another three million dollars for the project prior to the public scoping meeting. This left no opportunity to assemble public comments before to the Board Meeting. It is suggested that the public comment period for this project be extended for another thirty days.

Thank you for this opportunity to express concerns regarding the plans for Union Station.

Susan MacAdams
Board Member, Train Riders Association of California, TRAC
Board Member, Union Station Historical Society

Appendix B

Air Quality and Greenhouse Gas Emissions Technical Report

LOS ANGELES UNION STATION
FORECOURT AND ESPLANADE IMPROVEMENTS PROJECT
AIR QUALITY AND GREENHOUSE GAS EMISSIONS TECHNICAL REPORT

PREPARED FOR:

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

PREPARED BY:

SAPPHOS ENVIRONMENTAL, INC.
430 NORTH HALSTEAD STREET
PASADENA, CALIFORNIA 91107

AUGUST 8, 2017

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A CalEEMod	
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SECTION ES

EXECUTIVE SUMMARY

The purpose and scope of the Air Quality and Greenhouse Gas Emissions Technical Report is to provide the Los Angeles County Metropolitan Transportation Authority (Metro) with an air quality and greenhouse gas (GHG) emissions analysis for the Los Angeles Union Station Forecourt and Esplanade Improvements Project (proposed project) pursuant to the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). The proposed project would reduce the number of lanes on Alameda Street, provide a bicycle and pedestrian esplanade, and create an open forecourt area with a water feature.

In light of recent legislation for air quality and GHGs, the proposed project was evaluated with regard to the South Coast Air Quality Management District (SCAQMD) significance thresholds and adherence to climate action plans, executive orders, and senate and assembly bills that pertain to air quality and climate change, and ambient air quality standards on both the state and federal level. This study used CalEEMod 2016.3.1 to quantify the air quality and GHG emissions for both construction and operation. The calculations were informed by the traffic analysis prepared by Fehr and Peers. The project analysis found that there was a less than significant impact to both air quality and GHG emissions as compared to the significance thresholds during construction, operation, and maintenance. As the project would remove a 60-space parking lot and add pedestrian and biking facilities, there would be a benefit to air quality as people shift modes from driving to active transportation. Mitigation measures or the consideration of alternatives were not required. The proposed project would be in compliance with the Southern California Association of Governments (SCAG) 2016–2040 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), SCAQMD’s Air Quality Management Plan (AQMP), and Los Angeles’ Sustainable City Plan (pLAN). For federal level transportation conformity, the proposed project is divided into two parts based on the Active Transportation Program (ATP) Cycle 2 and Cycle 3 funding. The Alameda street improvements and esplanade are included as part of ATP Cycle 2. The partial closure of Los Angeles Street is on the project list for ATP Cycle 3. Being on the list includes recommendations to fund the partial closure and could result in being selected for federal funding with the California Department of Transportation (Caltrans) as the Lead Agency. Other components include a conversion of short-term parking to a civic area (Forecourt), sustainability components, and a seating area. It is anticipated that the proposed project would be exempt from regional emissions analysis pursuant to Table 3 of §93.127 as an intersection channelization project. For the CO Hot Spots Analysis, the proposed project would screen out in the CO Protocol at Section 4, Level 7 in the CO Protocol’s Figure 4, *Local CO Analysis*. For the PM Hot Spots Analysis, the project would not be a project of air quality concern. The remainder of the project in ATP Cycle 3 funding will be evaluated by Caltrans separately.

SECTION 1.0 INTRODUCTION

1.1 GOAL

The Air Quality and Greenhouse Gas Emissions Technical Report (Report) was undertaken on behalf of Metro to support their role as the Lead Agency, under CEQA, in consideration of the potential effects of the proposed project on the environment. The Report is to inform the development of the Draft Environmental Impact Report (EIR).

1.2 PURPOSE

The purpose of this Report is to characterize the existing conditions related to regional and ambient air quality and GHG emissions, as defined by Section 15064, 15064.4, and Appendix G of the State CEQA Guidelines, and the potential for direct, indirect, and cumulative impacts to those resources as a result of construction, operation, and maintenance of the proposed project and to avoid, reduce, or compensate for such impacts to the maximum extent practicable and feasible. This Report provides the substantial evidence related to regional and local air quality, criteria pollutants, and GHG emissions for the evaluation of environmental impacts by Metro pursuant to CEQA. In addition, Metro has received ATP Cycle 2 funding in support of the Alameda Street element of the project and ATP Cycle 3 funding for comparable consideration for the Los Angeles Street element of the project. The ATP funding is administered by the Division of Local Assistance, Office of Active Transportation and Special Programs of Caltrans.

1.3 METHODS

Air quality and GHG emissions were evaluated in comparison to the significance thresholds established by SCAQMD. Existing conditions were established using ambient air quality data provided by the California Air Resources Board (CARB). The SCAQMD's AQMP, CARB Land Use Handbook, CalEEMod 2016.3.1, and the Caltrans' CO Protocol were used in performing the analysis. Principal investigator Ms. Victoria Hsu conducted the analysis, with senior reviews by Dr. Shudeish Mahadev and Ms. Marie Campbell. Operational emissions were informed by the traffic analysis performed by Mr. Michael Kennedy of Fehr and Peers.

1.4 SCOPE OF INVESTIGATION

The scope of the investigation covers all the topics required by CEQA in Appendix G for air quality and GHG emissions. Analysis was conducted and evaluated in the context of the SCAQMD and South Coast Air Basin (SCAB) (Figure 1, *Air Districts in the Project Vicinity*). The project site included 292,274 square feet of floor surface area at the Los Angeles Union Station (LAUS) site. Sensitive receptors were considered within a 0.5-mile buffer of the project site. The project site and 0.5-mile buffer comprise the project area.

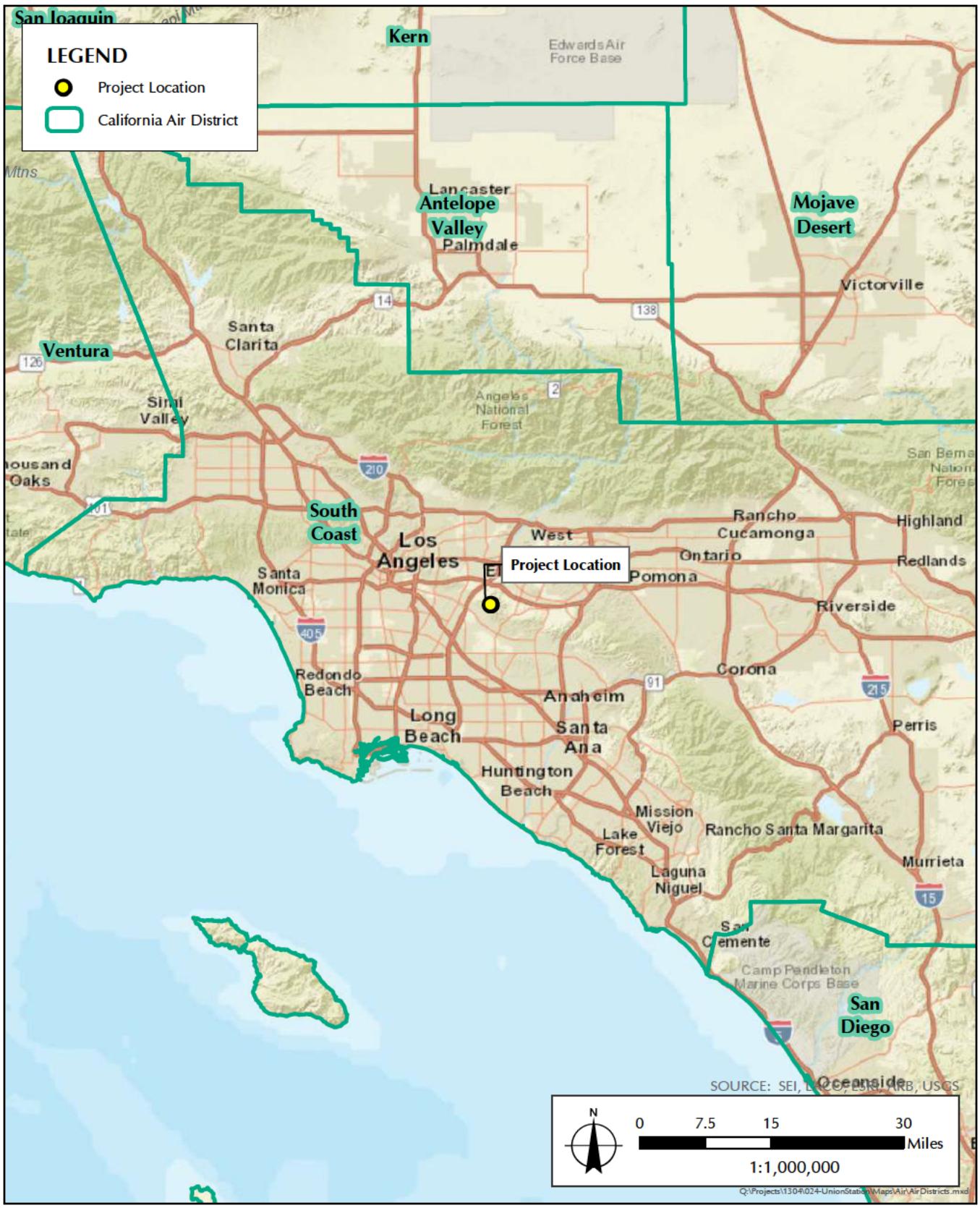


FIGURE 1
Air Districts within the Project Vicinity

1.5 RELATIONSHIP TO OTHER STUDIES

An evaluation of other studies in the project area was conducted before undertaking the proposed project. These include Union Station Master Plan, Connect US Action Plan, Wayfinding at Union Station, Silver Line BRT Station, and LEED certification. Notably, the Union Station Master Plan was completed in Fall 2014 by Gruen Associates/Grimshaw, but was not adopted by the Metro Board of Directors. The Union Station Master Plan includes approximately 50 acres of Metro properties (railyard, station, and facilities) and the Mozaic Apartments, a non-Metro-owned property.

There are two projects currently in the planning stages that near the proposed project site: the Link Union Station (Link US) and the California High Speed Rail project (HSR) (Burbank to Los Angeles and Los Angeles to Anaheim Segments). Link US and HSR are under consideration to accommodate improved rail efficiency and provide additional transit options for regional and statewide travelers. Link US and HSR will be subject to separate project-level environmental review, as determined appropriate pursuant to NEPA and/or CEQA. Completion of these individual environmental reviews is anticipated to be completed after certification of the EIR. The proposed project site is adjacent to LAUS and is not anticipated to conflict with the project footprints of Link US and HSR. Coordination efforts have been initiated to share information about the project site and overlapping environmental impacts.

1.6 DEFINITIONS

Ozone

Ozone (smog) is formed by a complex series of photochemical reactions between oxides of nitrogen (NO_x) and reactive organic gases (ROG, or volatile organic compounds [VOC]), which are known as ozone precursors, rather than being directly emitted. On-road vehicles are the main source of ozone precursors in the Los Angeles Basin. Ozone is a pungent, colorless gas typical of southern California smog. Favorable conditions for significant ozone production include a stable atmosphere with strong sunlight, light winds, low mixing heights, and the seasons of late spring, summer, and early fall. It is the most pervasive air quality problem in the SCAB.¹ Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity, eye and respiratory irritation, and possible aggravation of pulmonary conditions in persons with lung disease. This health problem is particularly acute in sensitive receptors such as the sick, the elderly, and young children.

Carbon Monoxide (CO)

CO is a non-reactive, colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. It is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. Ambient carbon monoxide concentrations usually follow the spatial and temporal distributions of vehicular traffic and are also influenced by meteorological factors such as wind speed and atmospheric mixing. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within a relatively short distance (300 to 600 feet) of heavily traveled roadways. Under inversion conditions, carbon monoxide

¹ South Coast Air Basin Air Quality Information. n.d. Website. Available at: http://www.parks.ca.gov/pages/980/files/appendix%20c_air%20quality.pdf

concentrations might be distributed more uniformly over an area out to some distance from vehicular sources.²

Nitrogen Oxides (NO_x)

Nitrogen dioxide (NO₂), a reddish-brown gas, and nitric oxide (NO), a colorless, odorless gas, are formed from fuel combustion under high temperature or pressure. Nitric oxide and NO₂ are both emitted from motor vehicle engines, power plants, refineries, industrial boilers, aircraft, and railroads. These compounds are referred to collectively as NO_x. NO_x is a primary component of the photochemical smog (or ozone) reaction. It also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition (i.e., acid rain). NO₂ decreases lung function and may reduce resistance to infection.

Particulate Matter (PM₁₀)

Particulate matter in the atmosphere is composed of a mixture of solid particles and liquid droplets. It results from many kinds of dust and fume producing industrial and agricultural operations, aerosols, fuel combustion, and atmospheric photochemical reactions. PM₁₀ is considered a coarse particle. It can cause adverse health effects to the respiratory system such as asthma. Some sources of particulate matter such as demolition and construction activities are more local in nature while others such as vehicular traffic have a more regional effect.³ PM₁₀ can also cause a reduction in visibility.

Fine Particulate Matter (PM_{2.5})

PM_{2.5} is a fine particulate matter smaller than 2.5 microns in diameter. It is primarily the result of fuel combustion and exhaust from power plants, diesel buses, and trucks. Primary gas emissions, including SO₂ releases from power plants and industrial facilities and NO_x releases from power plants, automobiles, and other types of combustion sources chemically react in the atmosphere to form PM_{2.5}. The U.S. Environmental Protection Agency's (EPA's) scientific review concluded that PM_{2.5}, which penetrates deeply into the lungs, is more likely than PM₁₀ to contribute to the health effects listed in a number of recently published community epidemiological studies at concentrations that extend well below those allowed by the current PM₁₀ standards. These health effects include premature death and increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms.

Sulfur Dioxide (SO₂)

Sulfur dioxide (SO₂) is a colorless, pungent gas formed primarily by the incomplete combustion of sulfur-containing fossil fuels. Industrial facilities also contribute to gaseous SO₂ levels. SO₂ irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight. Although SO₂ concentrations have fallen to levels well

² South Coast Air Basin Air Quality Information. n.d. Website. Available at: http://www.parks.ca.gov/pages/980/files/appendix%20c_air%20quality.pdf

³ South Coast Air Basin Air Quality Information. n.d. Website. Available at: http://www.parks.ca.gov/pages/980/files/appendix%20c_air%20quality.pdf

below State and federal standards, more reductions in SO₂ emissions are desirable because sulfur dioxide is a precursor to sulfate and PM₁₀. Exposure to SO₂ can aggravate symptoms of asthma. Sulfates are linked to aggravation of asthmatic and cardio-pulmonary conditions.

Reactive Organic Gases / Volatile Organic Compounds (ROG/VOC)

Both ROG and VOC are precursors in forming ozone. ROG consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. VOCs are hydrocarbon compounds (i.e., any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. Smog is formed when ROG and NO_x react through atmospheric photochemical reactions. ROG and VOCs often have an odor and can also, in some cases, be classified as a toxic air contaminant (TAC). ROG are typically found in vehicle exhaust. VOCs may be found in products such as gasoline, alcohol, degreasers, and solvent-based paints.

Lead (Pb)

Lead is found in old paints and coatings, plumbing, and a variety of other materials. Once in the bloodstream, lead can cause damage to the brain, nervous system, and other body systems. Children are highly susceptible to the effects of lead. In the past, the primary source of lead in the air was emissions from vehicles burning leaded gasoline. As a result of the removal of lead from gasoline, there have been no violations at any of SCAQMD's regular air monitoring stations since 1982.⁴

Toxic Air Contaminants (TAC)

TAC are pollutants known or suspected to cause cancer or other serious health effects such as birth defects. However, there are no ambient air quality standards adopted for TACs. Toxic air contaminants might also have significant adverse environmental and ecological effects. Examples of TAC include benzene, diesel particulate, hydrogen sulfide, methylchloride, 1,1,1-trichloroethane, toluene, and metals such as cadmium, mercury, chromium, and lead. For the proposed project, diesel particulate matter is the primary TAC of concern. Health effects from TAC vary depending on the specific toxic pollutant but might include cancer, immune system damage, as well as neurological, reproductive, developmental, and respiratory problems. According to the EPA, approximately 50 percent of TAC exposure comes from mobile source emissions.⁵

Sensitive Receptors

Land uses identified to be sensitive receptors by the CARB in the Air Quality and Land Use Handbook include residences, schools, day care centers, playgrounds, and medical facilities. Sensitive land uses are reviewed with special concern since vulnerable populations including children, pregnant women, the elderly, and people with existing health problems are more sensitive to air pollution. The Mosaic at Union Station Apartments, adjacent to the proposed project site, has been identified as a sensitive receptor because it is a residence where people spend large amounts of time. The nearest sensitive receptor to the project study area is the First 5

⁴ South Coast Air Basin Air Quality Information. n.d. Website. Available at: http://www.parks.ca.gov/pages/980/files/appendix%20c_air%20quality.pdf

⁵ South Coast Air Basin Air Quality Information. n.d. Website. Available at: http://www.parks.ca.gov/pages/980/files/appendix%20c_air%20quality.pdf

LA school, which is a nonprofit organization that creates programs and services that advocate for children age 0–5. First 5 LA is located adjacent to the project boundary. La Petite Academy is a day care facility located within the First 5 building.

Odors

Objectionable odors are typically generated during the construction phase from diesel emissions from off road construction equipment or from motor vehicles. As a transit hub, LAUS has a constant stream of bus and rail activity. Most of the Metro buses are fueled by compressed natural gas (CNG), and Metro trains are powered by electricity. Tailpipe emissions from gasoline and diesel passenger vehicles as well as diesel-powered Amtrak and Metrolink trains are potential sources of objectionable odors.

1.7 AFFECTED ENVIRONMENT: GHG

Energy entering the Earth’s atmosphere can either be reflected or absorbed by Earth in what is called the Earth’s radiation budget. When this budget is out of balance, the global temperature can rise or fall. GHGs in the atmosphere (such as water vapor and carbon dioxide) absorb most of the Earth’s emitted longwave infrared radiation, which heats the lower atmosphere and keeps Earth habitable. Increasing concentrations of GHGs such as carbon dioxide and methane increase the amount of absorption and can increase the temperature of the lower atmosphere, resulting in “global warming,” or, more broadly, global climate change.⁶

GHGs are emitted from both natural processes and human activities. Recent climate changes since the mid-20th century exceed what are possible by natural causes only. The Intergovernmental Panel on Climate Change (IPCC) says it is extremely likely that human activities have been the dominant cause of recent warming since the mid-20th century.⁷ The main components of GHG emissions caused from human activities are carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and fluorinated gases. Since each GHG absorbs radiation at a different rate, the effects of each GHG must be normalized based on a standard global warming potential (Table 1.7-1, *Greenhouse Gases and Global Warming Potential Compared to CO₂*). Equivalent carbon dioxide (or CO_{2e}) describes how much global warming a given type and amount of GHG may cause, using the functionally equivalent amount or concentration of CO₂ as the reference.

⁶ NASA. 13 August 2014. The Earth’s Radiation Budget. Available at: http://missionscience.nasa.gov/ems/13_radiationbudget.html

⁷ Intergovernmental Panel on Climate Change. 27 September 2013. Human influence on climate clear, IPCC report says. Available at: https://www.ipcc.ch/news_and_events/docs/ar5/press_release_ar5_wgi_en.pdf

**TABLE 1.7-1
GREENHOUSE GASES AND GLOBAL WARMING POTENTIAL COMPARED TO CO₂**

GHG	Atmospheric Lifetime (years)	Global Warming Potential Relative to CO ₂ ^a
Carbon dioxide (CO ₂)	50 to 100	1
Methane (CH ₄) ^b	12 (± 3)	25
Nitrous oxide	120	298
Hydrofluorocarbons:		
HFC-23	264	14,800
HFC-32	5.6	675
HFC-125	32.6	3,500
HFC-134a	14.6	1,100
GHG	Atmospheric Lifetime (years)	Global Warming Potential Relative to CO ₂ ^a
HFC-143a	48.3	1,430
HFC-152a	1.5	124
HFC-227ea	36.5	3,220
HFC-236fa	209	9,810
HFC-43-10mee	17.1	1,640
Perfluoromethane: CF ₄	50,000	7,390
Perfluoroethane: C ₂ F ₆	10,000	12,200
Perfluorobutane: C ₄ F ₁₀	2,600	8,860
Perfluoro-2-methylpentane: C ₆ F ₁₄	3,200	9,300
Sulfur hexafluoride (SF ₆)	3,200	22,800

NOTE:

a. Based on 100-year time horizon of the global warming potential (GWP) of the air pollutant relative to CO₂.

b. The methane GWP includes the direct effects and those indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO₂ is not included.

SOURCE:

Intergovernmental Panel on Climate Change (IPCC), Fourth Assessment Report (AR4). 4 April 2014. *Emission factors for greenhouse gas inventories*. Available at: <http://www.epa.gov/climateleadership/documents/emission-factors.pdf>

As described in an analysis by NASA's Goddard Institute for Space Studies, the year 2015 was the warmest year since 1880. 2015 was the first time that global average temperatures were 1 degree Celsius or more above the 1880–1899 average. The data support a long-term warming trend as most warming has occurred in the past 35 years, with 15 of the 16 warmest years on record since 2001.⁸ With warming temperatures, it is critical to explore alternative transportation solutions that go beyond the automobile to reduce harmful PM and NO_x emissions. Complete streets that incorporate public transit and active transportation reduce individuals' carbon footprint and support healthier lifestyles.

⁸ NASA. Accessed 20 January 2016. NASA, NOAA Analyses Reveal Record-Shattering Global Warm Temperatures in 2015. Available at: <http://www.nasa.gov/press-release/nasa-noaa-analyses-reveal-record-shattering-global-warm-temperatures-in-2015>

SECTION 2.0

PROJECT DESCRIPTION

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors.

The proposed improvements include: removing the short-term parking northwest of the entrance to LAUS (approximately 60 spaces) to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade on the eastside and widened sidewalks on the west; reconfiguring the entrance from LAUS to the El Pueblo de Los Angeles State Historic Park by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street and closure of the northern LAUS driveway on Alameda Street; and repurposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo.

In addition to the above-mentioned improvements, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

2.1 LOCATION

The proposed project is located adjacent to and within LAUS, at 800 North Alameda Street, City of Los Angeles, California, 90012. The LAUS property is generally bounded by Highway 101 to the south, Alameda Street to the west, Cesar E. Chavez Avenue to the north, and Vignes Street to the east. However, the project site is generally bounded by Alameda Street to the west, Cesar E. Chavez Avenue to the north, LAUS to the east, and Arcadia Street to the south. Specific project elements are located on Alameda Street from Arcadia Street in the south to Cesar Chavez Street in the north, Arcadia Street from Alameda Street to Spring Street, Los Angeles Street from El Pueblo de Los Angeles to LAUS, and the Union Station Forecourt area. Adjacent to the project to the west there is the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles State Historic Park at 125 Paseo De La Plaza, and the Avila Adobe Museum at 10 Olvera Street.

2.2 PROJECT ELEMENTS

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. There are seven key elements under consideration:

- On the east side of Alameda Street, a mixed-use pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees, and eliminate one vehicle travel lane northbound on Alameda Street)
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound

- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations
- Partial closure of Los Angeles Street at Alameda/El Pueblo de Los Angeles
- Reconfiguration of the approximately 60-space parking lot in front of LAUS into the Forecourt as a civic space, sustainability components, and seating area
- Closure of the northern driveway into LAUS from Alameda Street as part of a reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo de Los Angeles State Historic Park across Alameda Street and into Los Angeles Street
- El Pueblo de Los Angeles tourist bus parking zone at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street

SECTION 3.0

REGULATORY FRAMEWORK

This section of the Report identifies the primary federal and state laws and regulations that govern the regulation of emissions that must be considered during the decision-making process for projects that have the potential to affect air quality and climate change.

3.1 FEDERAL

Federal Clean Air Act

Congress passed the first major Clean Air Act (CAA) in 1970 (42 U.S. Code [USC] Sections 7401 et seq.). This Act gives the EPA broad responsibility for regulating emissions from many sources of air pollution from mobile to stationary sources. Pursuant to the CAA, the EPA is authorized to regulate air emissions from mobile sources like heavy-duty trucks, agricultural and construction equipment, locomotives, lawn and garden equipment, and marine engines; and stationary sources such as power plants, industrial plants, and other facilities. The CAA sets National Ambient Air Quality Standards (NAAQS) for the six most common air pollutants to protect public health and public welfare. These pollutants include particulate matter (PM₁₀, PM_{2.5}), ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, and lead.

For each pollutant, the EPA designates an area as attainment for meeting the standard or nonattainment for not meeting the standard. A maintenance designation entails an area that was previously designated as nonattainment but is currently designated as attainment. The CAA directs states to develop state implementation plans (SIPs) in order to achieve these standards.

New Source Performance Standards (NSPS), described in Section 111 of the Clean Air Act and 40 CFR Part 60, are technology based standards that apply to specific categories of stationary sources. These standards are intended to promote use of the best air pollution control technologies, taking into account the cost of such technology and any other non-air quality, health, and environmental impact and energy requirements.

National Ambient Air Quality Standards (NAAQS)

The federal CAA required the U.S EPA to establish NAAQS. The NAAQS set primary standards and secondary standards for specific air pollutants (Table 3.1-1, *National Ambient Air Quality Standards*). Primary standards define limits for the intention of protecting public health, which include sensitive populations such as asthmatics, children, and the elderly. Secondary standards define limits to protect public welfare to include protection against decreased visibility, damage to animals, crops, vegetation, and buildings.

**TABLE 3.1-1
NATIONAL AMBIENT AIR QUALITY STANDARDS**

Pollutant		Primary/Secondary	Averaging Time	Level
Carbon monoxide		Primary	8 hours	9 ppm
			1 hour	35 ppm
Lead		Primary and secondary	Rolling 3-month average	0.15 $\mu\text{g}/\text{m}^3$
Nitrogen dioxide		Primary	1 hour	100 ppb
		Primary and secondary	Annual	53 ppb
Ozone		Primary and secondary	8 hours	0.070 ppm
Particulate matter	PM _{2.5}	Primary	Annual	12 $\mu\text{g}/\text{m}^3$
		Secondary	Annual	15 $\mu\text{g}/\text{m}^3$
		Primary and secondary	24 hours	35 $\mu\text{g}/\text{m}^3$
	PM ₁₀	Primary and secondary	24 hours	150 $\mu\text{g}/\text{m}^3$
Sulfur dioxide		Primary	1 hour	75 ppb
		Secondary	3 hours	0.5 ppm

SOURCE: U.S. Environmental Protection Agency. 20 December 2016. NAAQS Table. Available at: <https://www.epa.gov/criteria-air-pollutants/naaqs-table>

NOTE: ppm = parts per million by volume; ppb = parts per billion by volume. The level is the threshold (standard) that is not to be exceeded for such averaging time of a criteria air pollutant. More than one averaging time can be set for a pollutant. The averaging time is the length of time for which the mathematical mean is calculated when measuring quantities of a pollutant in the air. Methods of calculation and measurement vary for each pollutant, but the averaging time and frequency of exceedance are used in conjunction to determine attainment or nonattainment of a standard.

State Implementation Plan (SIP)/ Air Quality Management Plans (AQMPs)

A SIP is required by the EPA to ensure compliance with the NAAQS. States must develop a general plan to maintain air quality in areas of attainment and a specific plan to improve air quality for areas of nonattainment. SIPs are a compilation of new and previously submitted plans, programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The SIP verifies that the state has a proper air quality management program that adheres to or strives to reach the most up to date emissions requirements. The 1990 amendments to the federal CAA set deadlines for attainment based on the severity of an area's air pollution problem. In adherence to CAA Section 172, states must adopt additional regulatory programs for nonattainment areas. Particularly in California, the SIP not only complies with NAAQS, but also the more stringent CAAQS.

AQMPs, developed by the air districts, are required to ensure compliance with the state and federal requirements. AQMPs contain scientific information and use analytical tools to demonstrate a pathway towards achieving attainment for the criteria air pollutants. The approval process begins when the regional air districts submit their AQMPs to the CARB. CARB is the lead agency and responsible agency for submitting the SIP to the EPA. CARB forwards SIP revisions to the EPA for approval and publication in the *Federal Register*. The Code of Federal Regulations Title 40, Chapter I, Part 52, Subpart F, Section 52.220, lists all of the items included in the California SIP.

Transportation Conformity

Transportation conformity is required under federal CAA Section 176(c) to ensure that federally supported highway and transit project activities are consistent with (“conform to”) the purpose and requirements of the SIP. Conformity currently applies to areas that are designated nonattainment, and those redesignated to attainment after 1990 (“maintenance areas” with plans developed under CAA Section 175A) for the following transportation-related criteria pollutants: ozone, particulate matter (PM_{2.5} and PM₁₀), CO, and NO₂. Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS. The transportation conformity regulation is found in 40 CFR Part 93. Conformity requires reporting on the timely implementation of Transportation Control Measures (TCMs) in ozone nonattainment areas designated as serious or worse, thus reinforcing the link between AQMP/SIPs and the transportation planning process. TCMs are expected to be given funding priority and to be implemented on schedule, and in the case of any delays, any obstacles to implementation have been or are being overcome.

EPA Findings

On December 7, 2009, the EPA Administrator signed two distinct findings regarding GHG under section 202(a) of the Clean Air Act, as follows:

- “Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed greenhouse gases—CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆—in the atmosphere threaten the public health and welfare of current and future generations.
- “Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed greenhouse gases from new motor vehicles and new motor vehicle engines contribute to the greenhouse gas pollution which threatens public health and welfare.

“These findings do not themselves impose any requirements on industry or other entities. However, this action is a prerequisite to finalizing the [USEPA’s proposed greenhouse gas emission standards for light-duty vehicles.”

The GHG endangerment finding is currently under review by the Trump administration and EPA Administrator Pruitt.⁹

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (42 USC 17001) includes several key provisions that will increase energy efficiency and the availability of renewable energy, which will reduce greenhouse gas emissions as a result. First, the Act sets a Renewable Fuel Standard that requires fuel producers to use at least 36 billion gallons of biofuel by 2022. Second, it increased Corporate Average Fuel Economy (CAFE) Standards to require a minimum average fuel economy of 35 miles per gallon for the combined fleet of cars and light trucks by 2020. Third, the Act includes a variety of new standards for lighting and for residential and commercial appliance equipment.

⁹ Environmental Protection Agency. Accessed 24 May 2017. Available at: <https://www.epa.gov/sites/production/files/signpost/cc.html>

The equipment includes residential refrigerators, freezers, refrigerator-freezers, metal halide lamps, and commercial walk-in coolers and freezers.¹⁰

Greenhouse Gas Reporting Program (GHGRP)

The EPA adopted the GHGRP (40 CFR Part 98), a mandatory GHG reporting rule in September 2009. The rule requires suppliers of fossil fuels or entities that emit industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions to submit annual reports to the EPA beginning in 2011 (covering the 2010 calendar year emission). Vehicle and engine manufacturers were required to begin reporting GHG emissions for model year 2011. In January 2012, EPA made the first year of GHGRP reporting data available to the public through its interactive Data Publication Tool, called Facility Level Information on Greenhouse gases Tool (FLIGHT), EPA will continue to update the tool and release additional data each reporting year.¹¹

Light-Duty Vehicle Greenhouse Gas Emissions Standards and Corporate Average Fuel Economy Standards

On September 15, 2009, the National Highway Traffic Safety Administration (NHTSA) and EPA announced a proposed joint rule that would explicitly tie fuel economy to GHG emissions reductions requirements. The proposed new CAFE Standards would cover automobiles for model years 2012 through 2016, and would require passenger cars and light trucks to meet a combined, per mile, carbon dioxide emissions level. It is estimated that by 2016, this GHG emissions limit could equate to an overall light-duty vehicle fleet average fuel economy of as much as 35.5 miles per gallon (mpg). The proposed standards would require model year 2016 vehicles to meet an estimated combined average emission level of 250 grams of carbon dioxide per mile under EPA's GHG program. On November 16, 2011, EPA and NHTSA issued a joint proposal to extend the national program of harmonized GHG and fuel economy standards to model year 2017 through 2025 passenger vehicles. In August 2012, President Obama finalized standards that will increase fuel economy to the equivalent of 54.5 mpg for cars and light-duty trucks by Model Year 2025.

On July 18, 2016, the EPA and CARB issued a Draft Technical Assessment Report for the fuel economy standards for passenger vehicles and light trucks MY 2022-2025. As of 2016, there are over 100 car, SUV, and pick-up truck versions on the market that already meet 2020 or later standards.

Paris Climate Agreement

On June 1, 2017, President Trump withdrew the United States from the Paris Agreement.¹² The Paris Agreement was negotiated within the United Nations Framework Convention on Climate Change in 2015 to reduce GHG emissions internationally. The goal of the Paris Agreement was to keep the global temperature rise this century to below 2 degrees Celsius above pre-industrial standards, with efforts to limit temperature increase even further to 1.5 degrees Celsius. The Paris

¹⁰ Environmental Protection Agency. Accessed 14 October 2015. *Summary of the Energy Independence and Security Act*. Available at: <http://www2.epa.gov/laws-regulations/summary-energy-independence-and-security-act>

¹¹ Environmental Protection Agency. Accessed 14 October 2015. *Greenhouse Gas Reporting Program*. Available at: <http://www2.epa.gov/ghgreporting>

¹² United States Environmental Protection Agency. 1 June 2017. *Administrator Scott Pruitt Speech on Paris Accord, As Prepared*. Available at: <https://www.epa.gov/speeches/administrator-scott-pruitt-speech-paris-accord-prepared>

Agreement became effective on November 4, 2016. As of October 5, 2016, 155 of 197 parties had ratified the Paris Agreement.¹³

3.2 STATE

California Clean Air Act of 1988

The California CAA of 1988 (Chapter 1568, Statutes of 1988) requires all air pollution control districts in the state to aim to achieve and maintain state ambient air quality standards for ozone, carbon monoxide, and nitrogen dioxide by the earliest practicable date and to develop plans and regulations specifying how the districts will meet this goal. There are no planning requirements for the state PM₁₀ standard. The CARB, which became part of the California Environmental Protection Agency (Cal/EPA) in 1991, is responsible for meeting state requirements of the federal CAA, administering the California CAA, and establishing the CAAQS. The California CAA, amended in 1992, requires all AQMDs in the state to achieve and maintain the CAAQS. The CAAQS are generally stricter than national standards for the same pollutants, but there is no penalty for nonattainment. California has also established state standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles, for which there are no national standards.

California Ambient Air Quality Standards

Ambient air quality standards define clean air, and are established to protect even the most sensitive individuals in our communities. An air quality standard defines the maximum amount of a pollutant that can be present in outdoor air without harm to the public's health. The federal CAA permits states to adopt additional or more protective air quality standards than the NAAQS if needed. California has set standards for certain pollutants, such as particulate matter and ozone, which are more protective of public health than respective federal standards (Table 3.2-1, *California Ambient Air Quality Standards*). California has also set standards for some pollutants that are not addressed by federal standards.¹⁴

¹³ United Nations Framework Convention on Climate Change. 27 July 2017. *The Paris Agreement*. Available at: http://unfccc.int/paris_agreement/items/9485.php

¹⁴ California Air Resources Board. 24 November 2009. California Ambient Air Quality Standards (CAAQS). Available at: <https://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm>

**TABLE 3.2-1
CALIFORNIA AMBIENT AIR QUALITY STANDARDS**

Pollutant		Averaging Time	Level
Carbon monoxide		8 hours	9 ppm
		1 hour	20 ppm
Lead		30-day average	1.5 $\mu\text{g}/\text{m}^3$
Nitrogen dioxide		1 hour	0.18 ppm
		Annual	0.03 ppm
Ozone		8 hours	0.07 ppm
		1 hour	0.09 ppm
Particulate matter	PM _{2.5}	Annual	12 $\mu\text{g}/\text{m}^3$
	PM ₁₀	24 hours	50 $\mu\text{g}/\text{m}^3$
		Annual	20 $\mu\text{g}/\text{m}^3$
Sulfur dioxide		1 hour	0.25 ppm
		24 hours	0.04 ppm
Sulfates		24 hours	25 $\mu\text{g}/\text{m}^3$
Hydrogen sulfide		1 hour	0.03 ppm
Vinyl chloride		24 hours	0.01 ppm
Visibility Reducing Particles		Extinction coefficient of 0.23 per km	

SOURCE: California Air Resources Board. 4 May 2016. *Ambient Air Quality Standards*. Available at: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>

NOTE: ppm = parts per million by volume; ppb = parts per billion by volume. The level is the threshold (standard) that is not to be exceeded for such averaging time of a criteria air pollutant. More than one averaging time can be set for a pollutant. The averaging time is the length of time for which the mathematical mean is calculated when measuring quantities of a pollutant in the air. Methods of calculation and measurement vary for each pollutant, but the averaging time and frequency of exceedance are used in conjunction to determine attainment or nonattainment of a standard.

CARB Air Toxics “Hot Spots” Information and Assessment Act of 1987

The California Air Toxics Program is supplemented by the Air Toxics “Hot Spots” program, which became law (Assembly Bill [AB] 2588, Statutes of 1987) in 1987. In 1992, the AB 2588 program was amended by Senate Bill (SB) 1731 to require facilities that pose a significant health risk to the community to perform a risk reduction audit and reduce their emissions through implementation of a risk management plan. Under this program, which is required under the Air Toxics “Hot Spots” Information and Assessment Act (Section 44363 of the California Health and Safety Code), facilities are required to report their air toxics emissions, assess health risks, and notify nearby residents and workers of significant risks when present. In March 2015, the OEHHA adopted “The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments” in accordance with the Health and Safety Code, Section 44300. The Final Guidance Manual incorporates the scientific basis from three earlier developed Technical Support Documents to assess risk from exposure to facility emissions. The 2015 OEHHA Final Guidance has key changes including greater age sensitivity in particular for children, decreased exposure durations, and higher breathing rate profiles. Because cancer risk could be up to three times greater using this new guidance, it may result in greater mitigation requirements, more agency backlog, and increased difficulty in getting air permits. Regardless of the change in calculation methodology, actual emissions and cancer risk within South Coast Air Basin has declined by more than 50 percent since 2005.

The CARB provides a computer program, the Hot Spots Analysis and Reporting Program (HARP), to assist in a coherent and consistent preparation of an HRA. HARP2, an update to HARP, was

released in March 2015. HARP2 has a more refined risk characterization in HRA and CEQA documents and incorporates the 2015 OEHHA Final Guidance. HARP2 separates the modules into three independent programs: the Emissions Inventory Module (EIM), Air Dispersion Modeling and Risk Tool (ADMRT), and Risk Assessment Standalone Tool (RAST). As of June 2015, HARP2 is not required by OEHHA on the state level, but it is required by SCAQMD.¹⁵

Active Transportation Program (ATP)

The ATP was approved by Governor Brown in September 2013. The ATP is a program within Caltrans that consolidates existing federal and state transportation programs, including the Transportation Alternatives Program, Bicycle Transportation Account, and State Safe Routes to School.¹⁶ The proposed project has received ATP grant funds that contain federal monies, thereby requiring compliance with NEPA.

CARB Air Quality and Land Use Handbook

In April 2005, CARB published the Air Quality and Land Use Handbook as an informational and advisory guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. Studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. Reducing diesel particulate emissions is one of CARB's highest public health priorities and the focus of a comprehensive statewide control program that is reducing diesel PM emissions each year. This document highlights the potential health impacts associated with proximity to air pollution sources so planners explicitly consider this issue in planning processes.¹⁷

Global Warming Solutions Act of 2006

In September 2006, Governor Arnold Schwarzenegger signed the California Global Warming Solutions Act of 2006, also known as AB 32 (Núñez, Chapter 488, Statutes of 2006), into law. AB 32 focuses on reducing GHG emissions in California and requires the CARB to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by 2020. To achieve this goal, AB 32 mandates that the CARB establish a quantified emissions cap; institute a schedule to meet the cap; implement regulations to reduce statewide GHG emissions from stationary sources; and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved. Because the intent of AB 32 is to limit 2020 emissions to the equivalent of 1990, it is expected that the regulations would affect many existing sources of GHG emissions and not just new general development projects. SB 1368, a companion bill to AB 32, requires the California Public Utilities Commission and the California Energy Commission to establish GHG emission performance standards for the generation of electricity. These standards will also apply to power that is generated outside of California and imported into the state.

¹⁵ South Coast Air Quality Management District. Risk Assessment Procedures for Rules 1401, 1401.1 and 212. June 5, 2015. Available at: <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/riskassprocjune15.pdf?sfvrsn=2>

¹⁶ Caltrans Division of Local Assistance. *Active Transportation Program*. January 5, 2017. Available at: <http://www.dot.ca.gov/hq/LocalPrograms/atp/>

¹⁷ California Air Resources Board. April 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. Available at: <http://www.arb.ca.gov/ch/handbook.pdf>

AB 32 charges CARB with the responsibility to monitor and regulate sources of GHG emissions in order to reduce those emissions. On June 1, 2007, CARB adopted three discrete early action measures to reduce GHG emissions. These measures involved complying with a low carbon fuel standard, reducing refrigerant loss from motor vehicle air conditioning maintenance, and increasing methane capture from landfills.¹⁸ On October 25, 2007, CARB tripled the set of previously approved early action measures. The approved measures include improving truck efficiency (i.e., reducing aerodynamic drag), electrifying port equipment, reducing PFCs from the semiconductor industry, reducing propellants in consumer products, promoting proper tire inflation in vehicles, and reducing sulfur hexafluoride emission from the non-electricity sector. CARB has determined that the total statewide aggregated GHG 1990 emissions level and 2020 emissions limit is 427 million metric tons of carbon dioxide equivalent (MMTCO_{2e}). The 2020 target reductions are currently estimated to be 174 MMTCO_{2e}.

The CARB AB 32 Scoping Plan contains the main strategies to achieve the 2020 emissions cap. The Scoping Plan was developed by the CARB with input from the Climate Action Team (CAT) and proposes a comprehensive set of actions designed to reduce overall carbon emissions in California, improve the environment, and reduce oil dependency. The GHG reduction strategies contained in the Scoping Plan include direct regulations, alternative compliance mechanisms, monetary and nonmonetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system. Key approaches for reducing GHG emissions to 1990 levels by 2020 include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewable electricity standard of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets; and Adopting and implementing measures to reduce transportation sector emissions, including California's.

CARB has also developed the GHG mandatory reporting regulation, which required reporting beginning on January 1, 2008, pursuant to requirements of AB 32. The regulations require reporting for certain types of facilities that make up the bulk of the stationary source emissions in California. The regulation language identifies major facilities as those that generate more than 25,000 MTCO₂ per year. Cement plants, oil refineries, electric generating facilities/providers, co-generation facilities, and hydrogen plants and other stationary combustion sources that emit more than 25,000 MTCO₂ per year make up 94 percent of the point source CO₂ emissions in California.

Executive Order S-3-05 GHG Reduction Targets (2005)

Pursuant to AB 32, on June 1, 2005, Executive Order (EO) S-3-05 set the following GHG emission reduction targets: by 2010, reduce GHG emissions to 2000 levels; by 2020, reduce GHG emissions to 1990 levels; and by 2050, reduce GHG emissions to 80 percent below 1990 levels. The EO establishes state GHG emission targets of 1990 levels by 2020 (the same as AB 32) and 80 percent below 1990 levels by 2050.¹⁹ It calls for the Secretary of Cal/EPA to be responsible for

¹⁸ California Air Resources Board. 20 April 2007. Proposed Early Action Measures to Mitigate Climate Change in California.

¹⁹ CEQA review related to the EO is currently being considered before the California Supreme Court in *Cleveland National Forest Association et al v. San Diego Association of Governments*, 231 Cal.App. 4th 1056. Considering this

coordination of state agencies and progress reporting. A recent California Energy Commission report concludes, however, that the primary strategies to achieve this target should be major “decarbonization” of electricity supplies and fuels, and major improvements in energy efficiency.²⁰

In response to the EO, the Secretary of the Cal/EPA created the CAT. California’s CAT originated as a coordinating council organized by the Secretary for Environmental Protection. It included the Secretaries of the Natural Resources Agency and the Department of Food and Agriculture and the Chairs of the CARB, California Energy Commission, and Public Utilities Commission. The original council was an informal collaboration between the agencies to develop potential mechanisms for reductions in GHG emissions in the state. The council was given formal recognition in EO S-3-05 and became the CAT.

The original mandate for the CAT was to develop proposed measures to meet the emission reduction targets set forth in the executive order. The CAT has since expanded and currently has members from 18 state agencies and departments. The CAT also has 10 working groups that coordinate policies among their members. The working groups and their major areas of focus are:

- Agriculture: Focusing on opportunities for agriculture to reduce GHG emissions through efficiency improvements and alternative energy projects, while adapting agricultural systems to climate change
- Biodiversity: Designing policies to protect species and natural habitats from the effects of climate change
- Energy: Reducing GHG emissions through extensive energy efficiency policies and renewable energy generation
- Forestry: Coupling GHG mitigation efforts with climate change adaptation related to forest preservation and resilience, waste to energy programs and forest offset protocols
- Land Use and Infrastructure: Linking land use and infrastructure planning to efforts to reduce GHG from vehicles and adaptation to changing climatic conditions
- Oceans and Coastal: Evaluating the effects sea level rise and changes in coastal storm patterns on human and natural systems in California
- Public Health: Evaluating the effects of GHG mitigation policies on public health and adapting public health systems to cope with changing climatic conditions
- Research: Coordinating research concerning impacts of and responses to climate change in California
- State Government: Evaluating and implementing strategies to reduce GHG emissions resulting from state government operations
- Water: Reducing GHG impacts associated with the state’s water systems and exploring strategies to protect water distribution and flood protection infrastructure

The CAT is responsible for preparing reports that summarize the state’s progress in reducing GHG emissions. The most recent CAT Report was published in December 2010. The CAT Report discusses mitigation and adaptation strategies, state research programs, policy development, and future efforts.

pending litigation, and to fulfill the related CEQA requirements for the PEIR to serve as a full-disclosure document, EO S-03-05 and B-30-15 have been included in this regulatory framework, and the PEIR addresses consistency of the RTP/SCS in relation to the GHG reduction targets set forth under such executive orders.

²⁰ California Energy Commission. May 2011. California’s Energy Future – The View to 2050.

SB 32 / AB 197

SB 32 was signed into law by Governor Jerry Brown on September 8, 2016. SB 32 requires California to reduce GHG emissions by 40 percent below 1990 levels by 2030. SB 32 is a continuation of AB 32, signed in 2006, which set a GHG reduction target of reducing GHG emissions to 1990 levels by 2020. The passing of SB 32 is tied to another bill, AB 197. AB 197 mandates the CARB to prioritize disadvantaged communities in climate change–related regulations and to prepare a scoping plan that uses the maximum technologically feasible and cost-effective reductions in GHG emissions.

First Update to the Climate Change Scoping Plan (May 2014)

This First Update to California’s Climate Change Scoping Plan (Update) was developed by the CARB in collaboration with the CAT and reflects the input and expertise of a range of state and local government agencies. The Update reflects public input and recommendations from business, environmental, environmental justice, and community-based organizations provided in response to the release of prior drafts of the Update, a Discussion Draft in October 2013 and a draft Proposed Update in February 2014.

This report highlights California’s success to date in reducing its GHG emissions and lays the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050. The First Update includes recommendations for establishing a mid-term emissions limit that aligns with the State’s long-term goal of an emissions limit 80 percent below 1990 levels by 2050 and sector-specific discussions covering issues, technologies, needs, and ongoing State activities to significantly reduce emissions throughout California’s economy through 2050. The focus areas include energy, transportation, agriculture, water, waste management, and natural and working lands.²¹ With respect to the transportation sector, California has outlined several steps in the State’s ZEV Action Plan to further support the market and accelerate its growth. Committed implementation of the actions described in the plan will help meet Governor Brown’s 2012 EO B-16-2012, which—in addition to establishing a more specific 2050 GHG target for the transportation sector of 80 percent from 1990 levels—called for 1.5 million ZEVs on California’s roadways by 2025.

Achieving such an aggressive 2050 target will require innovation and unprecedented advancements in energy demand and supply.²² Emissions from 2020 to 2050 will have to decline at more than twice the rate of that needed to reach the 2020 statewide emissions limit. In addition to climate objectives, California also must meet federal clean air standards. Emissions of criteria air pollutants, including ozone precursors (primarily oxides of nitrogen, or NOx) and particulate matter, must be reduced by, a currently estimated, 90 percent by 2032 to comply with federal air quality standards. The scope and scale of emission reductions necessary to improve air quality is similar to that needed to meet long-term climate targets. Achieving both objectives will align programs and investments to leverage limited resources for maximum benefit.

²¹ California Air Resources Board. May 2014. *First Update to the Climate Change Scoping Plan*. Available at: http://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf

²² California Air Resources Board. May 2014. *First Update to the Climate Change Scoping Plan*. Available at: http://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf

Sustainable Communities and Climate Protection Act of 2008 (SB 375, Chapter 728, Statutes of 2008)

The Sustainable Communities and Climate Protection Act of 2008 SB 375 (Steinberg, Chapter 728, Statutes of 2008), adopted in September 30, 2008, provides an additional means for achieving AB 32 GHG emissions reduction goals. As part of the State's overall strategy to reduce GHG emissions as set forth by Executive Orders S-03-05 and B-30-15 and AB 52, SB 375 seeks to coordinate land use strategies with transportation planning. By coordinating these planning efforts, it is envisioned that vehicle congestion and travel can be reduced resulting in a corresponding reduction in passenger vehicle emissions. SB 375 directed CARB to set regional targets to reduce emissions; regional plans are required to identify how they will meet these targets.

SB 375 has three major components:

- Using the regional transportation planning process to achieve reductions in GHG emissions consistent with AB 32's goals.
- Offering streamlined environmental review opportunities for eligible projects, should project proponents decide to pursue.
- Coordinating the Regional Housing Needs Allocation Assessment (RHNA) process with the regional transportation process while maintaining local authority over land use decisions.

A Sustainable Communities Strategy (SCS) is a required component of a Regional Transportation Plan (RTP). The SCS outlines certain land use growth strategies that provide for more integrated land use and transportation planning, maximizes transportation investments, strives to reduce emissions and, if feasible, and helps meet CARB's targets for the region. An alternative planning strategy (APS) must be prepared if the SCS is unable to reduce emissions and achieve the emissions reduction targets established by CARB. EO B-16-2012, described further below, can help achieve these emissions reduction targets by encouraging ZEVs and related infrastructure.

SB 375 provides that the SCS developed as part of the RTP does not regulate the use of land or dictate local land use policies, and further expressly provides that a city's or county's land use policies and regulations, including its general plan, are not required to be consistent with the SCS. Rather, SB 375 is intended to provide a regional policy foundation that local government may build upon, if they so choose. CARB set the following reduction targets for SCAG: reduce per capita 8 percent of GHG emissions below 2005 levels by 2020 and 13 percent below 2005 levels by 2035.

California Cap and Trade Program

Authorized by the California Global Warming Solutions Act of 2006 (AB 32), the cap-and-trade program is one of several strategies that California uses to reduce GHG emissions. CARB adopted the California Cap and Trade Program final regulations on October 20, 2011, and adopted amended regulations on September 12, 2012, with the first auction for GHG allowances on November 14, 2012.²³ Funds received from the program are deposited into the Greenhouse Gas Reduction Fund and appropriated by the Legislature. Greenhouse Gas Reduction Funds are administered by state and local agencies for a variety of greenhouse-gas cutting programs,

²³ California Air Resources Board. *Cap and Trade Program*. Accessed October 15, 2015. Available at: <http://www.arb.ca.gov/cc/capandtrade/capandtrade.htm>

including energy efficiency, public transit, low-carbon transportation, and affordable housing.²⁴ On June 20, 2014, Governor Brown signed the FY 2014–2015 California State Budget, which included a cap and trade expenditure plan for cap-and-trade revenues in the Greenhouse Gas Reduction Fund. The Cap and Trade Program is a market-based mechanism to reduce GHG emissions in a cost-effective and economically efficient manner. California is the first multisector cap and trade program in North America following the northeast Regional Greenhouse Gas Initiative (RGGI) and the European Union Emission Trading Scheme (EU-ETS). It set a GHG emissions limit that decreased by 2 percent each year until 2015, and then by 3 percent from 2015 to 2020 to achieve the goals in AB 32. The program initially applied to large electric power plants and large industrial plants, but included fuel distributors as of 2015. By 2015, these rules encompassed 85 percent of all of California’s GHG emissions.

Clean Car Standards (Assembly Bill 1493)

On September 24, 2009, CARB adopted AB 1493, which makes amendments to the Clean Car Standards (Chapter 200, Statutes of 2002), also known as the “Pavley” regulations that require reductions in GHG emissions in new passenger vehicles from 2009 through 2016. These amendments are part of California’s commitment toward a nation-wide program to reduce new passenger vehicle GHGs from 2012 through 2016. The Clean Car Standards required CARB to develop and adopt standards for vehicle manufacturers to reduce GHG emissions coming from passenger vehicles and light-duty trucks at a “maximum feasible and cost effective reduction” by January 1, 2005. Pavley I took effect for model years starting in 2009 to 2016; and Pavley II, which is now referred to as “LEV (Low Emission Vehicle) III GHG,” will cover 2017 to 2025. Fleet average emission standards would reach 22 percent reduction by 2012 and 30 percent by 2016.²⁵

As of January 2012, CARB adopted the Advanced Clean Cars program to extend AB 1493 through model years 2017 to 2025. This program will promote all types of clean fuel technologies such as plug-in hybrids, battery electric vehicles, CNG vehicles, and hydrogen powered vehicles while reducing smog and saving consumers’ money in fuel costs. Fuel savings may be as up to 25 percent by 2025.

CARB released the *Advanced Clean Cars Midterm Review Report* on January 18, 2017. The report reviews the adopted LEV III GHG and PM emission standards (1 mg/mi) and ZEV requirements. The report anticipates adding 1 million ZEVs in California by 2025.²⁶

Attorney General’s Addressing Climate Change at the Project Level

In January 2010, the California Attorney General’s Office published a document called “Addressing Climate Change at the Project Level.” This document contains a list of example measures addressing energy efficiency, renewable energy and energy storage, water conservation and efficiency, solid waste measures, land use measures, transportation and motor vehicles, and

²⁴ CalEPA. Accessed 9 February 2015. *Greenhouse Gas-Reduction Investments to Benefit Disadvantaged Communities*. Available at: <http://www.calepa.ca.gov/EnvJustice/GHGInvest/>

²⁵ California Air Resources Board. 6 May 2013. *Clean Car Standards – Pavley, Assembly Bill 1493*. Available at: <http://www.arb.ca.gov/cc/ccms/ccms.htm>

²⁶ California Air Resources Board. 18 January 2017. *California’s Advanced Clean Car Program*. Available at: <https://www.arb.ca.gov/msprog/acc/acc.htm>

agriculture and forestry. Measures can be included as design features of a project, required as changes to the project, or imposed as mitigation.²⁷

Governor's Office of Planning and Research Technical Advisory

On June 19, 2008, the Governor's Office of Planning and Research (OPR) issued a Technical Advisory on addressing climate change impacts of a proposed project under CEQA (OPR Climate Change Advisory). The OPR Climate Change Advisory recommends that lead agencies quantify, determine the significance of, and (as needed) mitigate the cumulative climate change impacts of a proposed project. The OPR Climate Change Advisory identifies that each lead agency is required, under CEQA, to exercise its own discretion in choosing how to determine significance in the absence of adopted thresholds or significance guidelines from California, CARB, or the applicable local air district.

On January 20, 2016, the OPR issued a Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA.²⁸ Public Resources Code section 21099 directs OPR to recommend criteria for evaluating transportation impacts that promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. This advisory provides guidance on implementing SB 743. SB 743 changes the transportation impact analysis to focus on vehicle miles traveled (VMT) instead of level of service (LOS) when analyzing project level impacts.

SB 97 CEQA Guidelines

By enacting SB 97 in 2007, California's lawmakers expressly recognized the need to analyze greenhouse gas emissions as a part of the CEQA process. SB 97 required OPR to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines addressing the analysis and mitigation of greenhouse gas emissions. Those CEQA Guidelines amendments clarified several points, including the following:

- Lead agencies must analyze the GHG emissions of proposed projects, and must reach a conclusion regarding the significance of those emissions (see CEQA Guidelines § 15064.4).
- When a project's GHG emissions may be significant, lead agencies must consider a range of potential mitigation measures to reduce those emissions (see CEQA Guidelines § 15126.4(c)).
- Lead agencies must analyze potentially significant impacts associated with placing projects in hazardous locations, including locations potentially affected by climate change (see CEQA Guidelines § 15126.2(a)).
- Lead agencies may significantly streamline the analysis of GHGs on a project level by using a programmatic greenhouse gas emissions reduction plan meeting certain criteria (see CEQA Guidelines § 15183.5(b)).
- CEQA mandates analysis of a proposed project's potential energy use (including transportation-related energy), sources of energy supply, and ways to reduce energy

²⁷ California Attorney General Office. "Addressing Climate Change at the Project Level." January 2010. http://ag.ca.gov/globalwarming/pdf/GW_mitigation_measures.pdf

²⁸ Office of Planning and Research. Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA. January 20, 2016. Available at: https://www.opr.ca.gov/docs/Revised_VMT_CEQA_Guidelines_Proposal_January_20_2016.pdf

demand, including through the use of efficient transportation alternatives (see CEQA Guidelines, Appendix F).²⁹

The 2017 Climate Change Scoping Plan Update³⁰

The 2017 Climate Change Scoping Plan Update (Plan) establishes a framework for California to reduce GHG emissions by 40 percent by 2030 compared to 1990 levels. Continuing the efforts made since 2006 under AB 32, the Plan focuses on programs including Cap-and-Trade Regulation, Low Carbon Fuel Standard, cleaner cars, trucks, and freight movement, renewable energy, and reducing methane emissions from agriculture and waste. While AB 32 justified the State's climate action until 2020, SB 32 extends those actions until 2030.

3.3 REGIONAL

2016–2040 Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)

The RTP/SCS is a long-range transportation plan that is developed and updated by SCAG every four years. The RTP provides a vision for transportation investments throughout the region. Using growth forecasts and economic trends that project out over a 20-year period, the RTP considers the role of transportation in the broader context of economic, environmental, and quality-of-life goals for the future, identifying regional transportation strategies to address our mobility needs. The 2016–2040 RTP/SCS includes a strong commitment to reduce emissions from transportation sources to comply with SB 375, improve public health, and meet the NAAQS as set forth by the federal CAA. Under SB 375, the CARB established per capita targets for GHG reduction for cars and light trucks for the SCS. The GHG reduction targets for the SCAG region are 8 percent per capita in 2020 and 13 percent per capita in 2035 compared to 2005 levels.

SCAQMD Air Quality Management Plans (AQMP)

The most recent update to the AQMP was adopted in 2017 by the SCAQMD Board and the CARB.³¹ The AQMP addresses several state and federal planning requirements, incorporating the latest scientific information, primarily in the form of updated emissions inventories, ambient measurements, and new meteorological air quality models.

In 2016, SCAQMD developed the Draft 2016 AQMP, which is a comprehensive and integrated plan primarily focused on addressing the ozone standards. The Final 2016 AQMP was approved by the Governing Board on March 3, 2017. The 2016 AQMP demonstrates attainment of the 1-hr and 8-hr ozone NAAQS and the latest 24-hr and annual PM_{2.5} standards. The Plan is a regional and multiagency effort (SCAQMD, CARB, SCAG, and EPA). State and federal planning requirements include developing control strategies, attainment demonstrations, reasonable further progress, and maintenance plans. The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the latest applicable growth assumptions, transportation

²⁹ The Governor's Office of Planning and Research. "CEQA and Climate Change." 2011. https://www.opr.ca.gov/s_ceqaandclimatechange.php

³⁰ California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. January 20, 2017. Available at: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf

³¹ South Coast Air Quality Management District. 2017. *Final 2016 AQMP (December 2016)*. Available at: <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp>

control measures and strategies, and updated emission inventory methodologies for various source categories.³²

The 2016 AQMP showcases integrated strategies and measures to meet the following NAAQS:

- 2008 8-hour Ozone (75 parts per billion [ppb]) by 2031
- 2012 Annual PM_{2.5} (12 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]) by 2021 (moderate) and 2025 (serious)
- 2006 24-hour PM_{2.5} (35 $\mu\text{g}/\text{m}^3$) by 2019
- 1997 8-hour Ozone (80 ppb) by 2023
- 1979 1-hour Ozone (120 ppb) by 2022

Metro's Green Construction Policy

On August 4, 2011 Metro adopted the Green Construction Policy (GCP) and committed to using greener, less polluting construction equipment and vehicles and implementing best practices to reduce harmful diesel emissions on all Metro construction projects performed on Metro properties and rights of way. According to the SCAQMD, heavy duty diesel trucks and off-road construction equipment operating in Southern California are major sources of PM and NO_x emissions and are also among the sources identified for the greatest emission reduction potential. The ultimate goal is to reduce harmful air emissions (particularly particulate matter and nitrogen oxides) while minimizing any significant impact to cost and schedule in any existing construction project.

Metro Long Range Transportation Plan (2009)

Adopted in 2009, the LA Metro Long Range Transportation Plan (LRTP) allocates \$300 billion over the next 30 years to develop a balanced transportation system with options for active transportation, transit, carpool lanes, streets/highways, and a safe goods movement. This 2009 Plan will fund bikeways and transit, which can remove about 6 metric tons of air pollution and about 1,370 metric tons of GHGs daily. Metro is currently working to update their 2009 LRTP. Since the October 2014 Metro Board Action, Metro has completed a Mobility Matrix and performed stakeholder outreach to coordinate subregional goals, objectives, and performance measures. The current schedule anticipates adoption of the LRTP Update in 2017.

3.4 LOCAL

City of Los Angeles General Plan – Air Quality Element

The Air Quality Element of the City of Los Angeles General Plan was adopted in 1992. The Air Quality Element focuses on setting policies to guide the City in implementation of air quality improvement programs and strategies. Because mobile emissions contribute substantially to the total air emissions, the City is coordinating Congestion Management Plans with air quality and smart growth to achieve consistency across the plans. The Air Quality Element includes six main goals:

- 1) Good air quality and mobility in an environment of continued population growth and healthy economic structure.

³² South Coast Air Quality Management District. 2017. *Final 2016 AQMP (December 2016)*. Available at: <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp>

- 2) Less reliance on single-occupant vehicles with fewer commute and nonwork trips.
- 3) Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand-management techniques.
- 4) Minimal impact of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality.
- 5) Energy efficiency through land use and transportation planning, the use of renewable resources and less polluting fuels, and the implementation of conservation measures including passive methods such as site orientation and tree planting.
- 6) Citizen awareness of the linkages between personal behavior and air pollution, and participation in efforts to reduce air pollution.

Green LA: An Action Plan to Lead the Nation in Fighting Global Warming

Published in May 2007, the Green LA Climate Action Plan identifies over 50 action items that will reduce GHG emission levels in Los Angeles. The plan directs City departments to compile these actions, which include changes to City operations, goals for changing City employee behavior, sustainable practices for private sector and residents, and greening City facilities. Carbon dioxide emission reductions are quantified and reported to assess progress towards former Mayor Antonio Villaraigosa's goal to reduce emissions to 35 percent below 1990 levels by 2030.

Sustainable City pLAN (pLAN)

Published on April 8, 2015, Mayor Garcetti released a Sustainable City pLAN for Los Angeles city. pLAN establishes the framework to reduce Los Angeles' greenhouse gas emissions by 45 percent by 2025, 60 percent by 2035, and 80 percent by 2050 compared to 1990 levels while simultaneously balancing the economy and equity. These reductions will be achieved through creating a pathway to 50 percent renewable energy, increasing local solar energy, reducing transportation emission through cleaner fuels and transit, improving recycling and waste diversion, and reducing reliance on imported water.

Central City Community Plan

The purpose of the Central City Community Plan is to:³³

- Create residential neighborhoods; while providing a variety of housing opportunities with compatible new housing
- Improve the function, design, and economic vitality of the commercial districts
- Preserve and enhance the positive characteristics of existing uses which provide the foundation for community identity, such as scale, height, bulk, setbacks, and appearance
- Maximize the development opportunities of the future rail transit system while minimizing adverse impacts
- Plan the remaining commercial and industrial development opportunity sites for needed job-producing uses that improve the economic and physical condition of the Central City Community.

³³ Central City Community Plan. Available at: <http://planning.lacity.org/complan/pdf/CCYCPTXT.PDF>

By creating healthy communities where people can live, work, and play, it will effectively improve air quality as people reduce vehicle miles traveled and increase use of transit.

Central City North Community Plan Update

Adopted on December 15, 2000, the goals, objectives, and policies developed in the Central City North Community Plan Update strive to:³⁴

- Preserve and enhance the positive characteristics of existing residential neighborhoods while providing a variety of housing opportunities with compatible new housing.
- Improve the function, design, and economic vitality of the commercial corridors.
- Preserve and enhance the positive characteristics of existing uses which provide the foundation for community identity, such as scale, height, bulk, setbacks, and appearance.
- Maximize the development opportunities of future transit systems while minimizing any adverse impacts.
- Plan the remaining commercial and industrial development opportunity sites for needed job producing uses that will improve the economic and physical condition of the Central City North area.

In terms of air quality, the Community Plan calls for transportation management strategies that encourage vehicular trip reduction to achieve regional air quality standards as set by the State and Federal Clean Air Acts.

Los Angeles Department of City Planning and the Downtown community are updating the Central City and the Central City North Community Plans as part of DTLA 2040. The updates are based upon the City's General Plan, focusing on land use, mobility, and long-term sustainable growth. DTLA 2040's core principles aim to anticipate growth through 2040, support/sustain Downtown's ongoing revitalization, reinforce Downtown's jobs orientation, grow/support the residential base, promote transit, bicycle, and pedestrian friendly environment, strengthen neighborhood character, and create linkages between districts.³⁵

Alameda District Specific Plan

Adopted on June 18, 1996, the Alameda District Specific Plan's purpose is to:³⁶

- Provide regulatory controls and incentives for the systematic and incremental execution of that portion of the General Plan which relates to this geographic area and to provide for public needs, convenience and general welfare as the development of such area necessitates; and
- Assure orderly development and appropriate capacity of public facilities for the intensity and design of development by establishing general procedures for development within the Specific Plan area; and
- Provide continued and expanded development of the site both as a major transit hub for the region, and as a mixed-use development providing office, hotel, retail, entertainment,

³⁴ Central City North Community Plan. 2000. Available at: <http://planning.lacity.org/complan/pdf/ccncptxt.pdf>

³⁵ DTLA 2040 Planning a Dynamic Future for Downtown Los Angeles. Available at: <http://www.dtl2040.org>

³⁶ Alameda District Specific Plan. 1996. Available at: <http://planning.lacity.org/complan/specplan/pdf/ALAMEDA.PDF>

tourism, residential and related uses within the Specific Plan area, in conformance with the goals and objectives of local and regional plans and policies; and

- To expand the economic base of the City, by providing additional employment opportunities and additional revenues to the region.

The Alameda District Specific Plan sets environment impact thresholds that were quantified in the Specific Plan's EIR. If a project exceeds any of these thresholds, then additional environmental review is required. Peak daily emission thresholds are set for key pollutants from construction-related emissions. Air quality mitigation measures are also listed to limit emissions.

SECTION 4.0

METHODS AND SIGNIFICANCE THRESHOLDS

4.1 THRESHOLDS OF SIGNIFICANCE

Air Quality

Pursuant to Appendix G of the CEQA Guidelines, would the proposed project:

- a) Conflict with or obstruct implementation of the applicable air quality plan?
- b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?
- c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?
- d) Expose sensitive receptors to substantial pollutant concentrations?
- e) Create objectionable odors affecting a substantial number of people?

Greenhouse Gas Emissions

Pursuant to Appendix G of the CEQA Guidelines, would the proposed project:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

4.2 METHODOLOGY

The air quality and GHG emissions were calculated using CalEEMod 2016.3.1. CalEEMod, California Emissions Estimator Model, is the standard model to use statewide to calculate land use emissions during construction and operation. The model calculates direct emissions from construction equipment and vehicle use as well as indirect emissions from energy use, water use, and vegetation.

The LOS and average delay from the Traffic Study conducted by Fehr and Peers was used to determine air quality conformity and to determine operational emissions.

4.3 CONSTRUCTION SCENARIO AND ASSUMPTIONS

Construction Scenario

- Total length: 7 months
- Anticipated Start Date: February/March 2020

**TABLE 4.3-1
CONSTRUCTION EQUIPMENT AND USAGE**

Construction Phase	# of equipment	Equipment Type	# hours/day	# days
Demolition (removal of parking lot, trees)				40
	1	Concrete Saw	8	
	1	Rubber Tired Dozer	8	
	3	Tractor/Loader/Backhoe	8	
	2	Hydraulic Excavator	6	
Grading				40
	2	Grader	6	
	1	Rubber Tired Dozer	6	
Paving (including striping/new configuration on Alameda and Los Angeles St)				30
	1	Cement and Mortar Mixer	4	
	1	Pavers	6	
	1	Paving Equipment	8	
	1	Rollers	8	
	1	Tractor/Loader/Backhoe	8	
Site Preparation				30
	1	Grader	8	
	1	Rubber Tired Dozer	8	
	1	Tractor/Loader/Backhoe	8	

Worker, vendor, and hauling trips were estimated using the quantities listed in the Union Station Master Plan Cost Plan. The Cost Plan assumed separate quantities for the Alameda Street and Los Angeles Street improvements and Forecourt improvements, which were combined to calculate the total number of trips for the proposed project. Default worker trips were used for all phases of construction. Estimates for vendor and hauling trips during each construction phase are listed below.

Demolition

- No vendor trips would occur.
- Roughly 120,000 square feet (SF) of pavement would be hauled. At an estimated ¼-foot depth, that would equal 30,000 cubic feet of pavement or 1,111 cubic yards (CY). Assuming 12 CY carried per truck, that would equal 92 truck trips to haul away material.
- Thirty-eight (38) trees would be hauled away from the site, requiring 38 truck trips.

Grading

- Two vendor trips for water trucks were assumed.
- No hauling trips would occur.

Paving

- Roughly 170,000 SF of sidewalk and pavement would be added to the site. At an estimated 1/4-foot depth, that would equal 42,500 cubic feet or 1,574 CY. Assuming 12 CY carried per truck, that would equal 131 truck trips or 4.4 trips a day.
- Two vendor trips for water trucks were assumed.
- No hauling trips would occur.

Site Preparation

- Two vendor trips for water trucks were assumed.
- Eighty-seven (87) trees would be hauled to the site, requiring 87 truck trips.
- Ten (10) hauling trips would be made for landscaping.

5.1 AIR QUALITY

South Coast Air Basin

The project site is located in the SCAB (Figure 2, *Air Basins within the Project Vicinity*) The SCAB incorporates approximately 12,000 square miles, consisting of Orange County and the urbanized areas of San Bernardino, Riverside, and Los Angeles Counties. In May 1996, the boundaries of the SCAB were changed by CARB to include the Beaumont-Banning area. The distinctive climate of the SCAB is determined by its terrain and geographic location. The SCAB is a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean to the southwest and high mountains around the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light average wind speeds. The usually mild climatological pattern is interrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds. The SCAB is classified as a dry-hot desert climate.³⁷

The vertical dispersion of air pollutants in the SCAB is hampered by the presence of persistent temperature inversions. High-pressure systems, such as the semi-permanent high-pressure zone in which the SCAB is located, are characterized by an upper layer of dry air that warms as it descends, restricting the mobility of cooler marine-influenced air near the ground surface, and resulting in the formation of subsidence inversions. Such inversions restrict the vertical dispersion of air pollutants released into the marine layer and, together with strong sunlight, can produce worst-case conditions for the formation of photochemical smog. The basin-wide occurrence of inversions at 3,500 feet above sea level or less averages 191 days per year.³⁸

The atmospheric pollution potential of an area is largely dependent on winds, atmospheric stability, solar radiation, and terrain. The combination of low wind speeds and low inversions produces the greatest concentration of air pollutants. On days without inversions, or on days of winds averaging over 15 miles per hour, smog potential is greatly reduced.³⁹

Local Air Quality

The CARB-maintained air monitoring stations measure SCAB air pollutant levels. The monitoring station located closest to the project sit is the Los Angeles-North Main Street Monitoring Station, located at 1630 North Main Street in Los Angeles, which is approximately 1 mile northeast from the proposed project. The last three years of available data for this location include measurements for ozone, PM_{2.5}, PM₁₀, CO, and NO₂ (Table 5.1-1, *Summary of Ambient Air Quality in Project Area*). Table 5.1-1 shows pollutant levels, state and federal standards, and the number of recorded exceedances at the Los Angeles-North Main Street Monitoring Station from 2013 to 2015. Criteria pollutants ozone, PM₁₀, and NO₂ did not exceed the NAAQS from 2013 to 2015. The state standard for ozone was exceeded 0 to 3 times during this time period. The federal standard for PM_{2.5} was exceeded 1 to 7 times during this time period. The state standard for PM₁₀ was exceeded

³⁷ South Coast Air Quality Management District. April 1993. CEQA Air Quality Handbook, p. A8-1.

³⁸ South Coast Air Quality Management District. April 1993. CEQA Air Quality Handbook, p. A8-2.

³⁹ South Coast Air Quality Management District. April 1993. CEQA Air Quality Handbook.



FIGURE 2
Air Basins within the Project Vicinity

2 to 38 times during this time period. NO₂ did not exceed the state standard from 2013 to 2015. Ozone and PM saw a spike in 2014 and declined in 2015.

**TABLE 5.1-1
SUMMARY OF AMBIENT AIR QUALITY IN PROJECT AREA**

Pollutant	Year		
	2013	2014	2015
Ozone			
Maximum 1-hr Concentration (ppm)	0.081	0.113	0.104
Days exceeding California Ambient Air Quality Standards (CAAQS) (0.09 parts per million [ppm])	0	3	2
Days exceeding National Ambient Air Quality Standards (NAAQS) (no standard)	0	0	0
Maximum 8-hour concentration (ppm)	0.069	0.094	0.074
Days exceeding CAAQS (0.07 ppm)	0	7	6
Days exceeding NAAQS (0.075 ppm – 2008 standard)	0	2	0
PM_{2.5}			
Maximum 24-hour concentration (micrograms per cubic meter [$\mu\text{g}/\text{m}^3$])	54.8	65.0	56.4
Days exceeding NAAQS (35 $\mu\text{g}/\text{m}^3$)	1	6	7
Annual arithmetic mean (AAM) ($\mu\text{g}/\text{m}^3$)	18.9	*	12.5
Does measured AAM exceed NAAQS (15 $\mu\text{g}/\text{m}^3$)?	Yes	*	Yes
Does measured AAM exceed CAAQS (12 $\mu\text{g}/\text{m}^3$)?	Yes	*	Yes
PM₁₀			
Maximum 24-hour concentration ($\mu\text{g}/\text{m}^3$)	74.5	86.8	72.0
Days exceeding NAAQS (150 $\mu\text{g}/\text{m}^3$)	0	0	0
Days exceeding CAAQS (50 $\mu\text{g}/\text{m}^3$)	20	38	2
AAM ($\mu\text{g}/\text{m}^3$)	35.3	30.2	*
Does measured AAM exceed NAAQS (no standard)?	No	No	No
Does measured AAM exceed CAAQS (20 $\mu\text{g}/\text{m}^3$)?	Yes	Yes	*
CO**			
Maximum 1-hour concentration (ppm)	5.6	5.4	4.3
Days exceeding NAAQS (35 ppm)	0	0	0
Days exceeding CAAQS (20 ppm)	0	0	0
Maximum 8-hour concentration (ppm)	3.4	3.8	3
Days exceeding NAAQS and CAAQS (9 ppm)	0	0	0
NO₂			
Maximum 1-hour concentration (ppm)	0.0903	0.0821	0.0791
Days exceeding NAAQS (0.100 ppm)	0	0	0
Days exceeding CAAQS (0.18 ppm)	0	0	0
AAM (ppm)	*	0.022	0.022
Does measured AAM exceed NAAQS (0.053 ppm)?	*	No	No
Does measured AAM exceed CAAQS (0.03 ppm)?	*	No	No
SO ₂ (not measured at Los Angeles – North Main St. monitoring station)			
HS (not measured at Los Angeles – North Main St. monitoring station)			

NOTE: * Denotes insufficient data.

**CO data from: U.S. EPA. Accessed 27 July 2017. Outdoor Air Quality Data. Available at: <https://www.epa.gov/outdoor-air-quality-data/air-quality-statistics-report>

SOURCE: California Air Resources Board. Accessed 6 May 2016. Top 4 Summary: Select Pollutant, Years, & Area. Available at: <http://www.arb.ca.gov/adam/topfour/topfour1.php>

Attainment Status

The SCAB exceeds federal standards for ozone, respirable particulate matter (PM₁₀) and fine particulate matter (PM_{2.5}), and lead. The 1977 Clean Air Act Amendment, Section 107, requires the EPA to publish a list of geographic areas and their compliance with the NAAQS. Areas not in NAAQS compliance are deemed non-attainment areas and can be categorized into four designations of increasing severity: (1) moderate, (2) serious, (3) severe, and (4) extreme. Designations are based on a pollutant-by-pollutant basis. The EPA has classified the project area as an extreme nonattainment area for ozone and a moderate nonattainment area for PM_{2.5} (Table 5.1-2, *Attainment Area Designations in Project Area*). Mobile sources, including cars, trucks, and off-road equipment, are the largest contributors to the formation of ozone, PM_{2.5}, diesel particulate matter, and GHG emissions in California. CARB developed a suite of mobile source programs and measures with the goal of reaching federal attainment for ozone by 2031. The proposed measures target on-road light duty vehicles, on-road heavy duty vehicles, off-road federal and international sources, off-road equipment, and consumer products.⁴⁰

**TABLE 5.1-2
ATTAINMENT AREA DESIGNATIONS IN PROJECT AREA**

Criteria Pollutant	California State Standards	Federal Standards
8-hr ozone (O ₃) (2008)	Non-attainment	Extreme non-attainment
1-hr nitrogen dioxide (NO ₂) (1971)	Attainment	Attainment/maintenance
1-hr carbon monoxide (CO) (1971)	Attainment	Attainment/maintenance
Respirable particulate matter (PM ₁₀) (1987)	Non-attainment	Attainment/maintenance
Fine particulate matter (PM _{2.5}) (2012)	Non-attainment	Serious non-attainment
Sulfur dioxide (SO ₂) (2010)	Attainment	Attainment
Lead (Pb) (2008)	Attainment	Non-attainment
Sulfates	Attainment	N/A
Hydrogen sulfide (HS)	Unclassified	N/A
Visibility reducing particles	Unclassified	N/A

SOURCE: U.S. Environmental Protection Agency. 1 February 2016. *U.S. EPA green book. Current nonattainment counties for all criteria pollutants*. Available at: <https://www.epa.gov/green-book>
California Air Resources Board. December 2015. *Area Designations Maps / State Ambient Air Quality Standards*. Available at: <http://www.arb.ca.gov/desig/adm/adm.htm>

California Ambient Air Quality Standards (CAAQS) are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations. California has set standards for certain pollutants, such as particulate matter and ozone, which are more protective of public health than respective federal standards. The CARB has also set standards for some pollutants that are not addressed by federal standards such as visibility reducing particles and vinyl chloride. The CAAQS are generally more stringent than the NAAQS.

⁴⁰ California Air Resources Board. "Proposed 2016 State Strategy for the State Implementation Plan." May 17, 2016. Available at: <https://www.arb.ca.gov/planning/sip/2016sip/2016statesip.pdf>

5.2 GHG

Global

Global GHG emissions in 2012 were 43,286.2 MMTCO_{2e}.⁴¹ The top ten GHG emitters in the world contribute 72 percent of global GHG emissions, not including land use change and forestry. The top ten GHG emitters, in order from the most polluting, are China, United States, European Union, India, Russian Federation, Indonesia, Brazil, Japan, Canada, and Mexico. China contributed the most, accounting for approximately 25.4 percent (or 10,975.5 MMTCO_{2e}) of the world's total, while the U.S. was the second largest contributor, accounting for approximately 14.4 percent (6,235.1 MMTCO_{2e}). Six of the top ten GHG emissions contributors are developing countries, which reflect a shift in the geopolitical landscape as developed countries used to dominate the top ten GHG emitters list. The energy sector accounts for more than 75 percent of total global GHG emissions, making it a primary focus in achieving reductions.⁴²

The Paris Climate Agreement was reached on December 12, 2015, at the 21st Conference of the Parties of the United Nations Framework Convention on Climate Change. The agreement addresses strategies for GHG reduction, adaptation, resiliency, and financing. The 195 countries in attendance of the conference negotiated a major global climate goal to hold warming to below 2 degrees Celsius. The initial target date for implementation of the agreement is set for 2020, but could potentially begin as soon as 2016 or 2017. The Paris Agreement became effective on November 4, 2016. As of October 5, 2016, 155 of 197 parties had ratified the Paris Agreement. On June 1, 2017, President Trump withdrew the United States from the Paris Agreement.⁴³

National

In 2014, the United States emitted 6,870.5 MMTCO_{2e}. Total U.S. GHG emissions have increased by 7.4 percent from 1990 to 2014. From 2013 to 2014, U.S. GHG emissions increased 1 percent because of increased transportation emissions and a relatively cool winter requiring more fuel consumption for heating. However, the national GHG emissions level in 2014 was 8.6 percent below 2005 levels.⁴⁴

In June 2013, President Obama announced the U.S. Climate Action Plan, which takes a three-pronged approach by cutting carbon pollution, preparing for the impacts of climate change, and leading international efforts to address global climate change. The Plan aims to reduce carbon pollution by focusing on setting emission standards for new and existing power plants, improving energy efficiency in vehicles and buildings, reducing energy waste, and investing in renewable energy projects. The Plan also includes climate adaptation strategies to address climate vulnerabilities, such as drought and wildfires, and increases resiliency in how cities are built. On March 28, 2017, President Trump issued an Executive Order on Promoting Energy Independence

⁴¹ Infographic: What Do Your Country's Emissions Look Like? Accessed 23 June 2015. Available at: <http://www.wri.org/blog/2015/06/infographic-what-do-your-countrys-emissions-look>

⁴² Infographic: What Do Your Country's Emissions Look Like? Accessed 23 June 2015. Available at: <http://www.wri.org/blog/2015/06/infographic-what-do-your-countrys-emissions-look>

⁴³ United States Environmental Protection Agency. 1 June 2017. *Administrator Scott Pruitt Speech on Paris Accord, As Prepared*. Available at: <https://www.epa.gov/speeches/administrator-scott-pruitt-speech-paris-accord-prepared>

⁴⁴ U.S. Environmental Protection Agency. April 2016. *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2014*. Available at: <https://www3.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-2016-Main-Text.pdf>

and Economic Growth, which rescinded several energy and climate related executive orders and plans including the President's Climate Action Plan of June 2013 and Climate Action Plan Strategy to Reduce Methane Emissions of March 2014.⁴⁵

State of California

California Greenhouse Gas Inventory

The California Greenhouse Gas Inventory, maintained by CARB, includes emissions from CO₂, CH₄, N₂O, sulfur hexafluoride (SF₆), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and nitrogen trifluoride (NF₃). Of the total 441.5 MMTCO_{2e} of GHG emissions in 2014, 84 percent were from CO₂. In 2014, the transportation sector and the industrial sector were the top two GHG emissions contributors, at 36 percent and 21 percent, respectively. The GHG Mandatory Reporting Program is a primary data source for the statewide emission inventory (Table 5.2-1, *California Greenhouse Gas Inventory for 2000–2014 by Economic Sector*).⁴⁶ In 2011, CARB partnered with the University of California, Berkeley, to develop new methodologies using land-based data sets and remote sensing data to evaluate carbon stock changes in California. The covered lands include forests, woodlands, shrub lands, grasslands, and wetlands, but not urban or agricultural lands.⁴⁷

⁴⁵ Office of the Press Secretary, The White House. 28 March 2017. *Presidential Executive Order on Promoting Energy Independence and Economic Growth*. Available at: <https://www.whitehouse.gov/the-press-office/2017/03/28/presidential-executive-order-promoting-energy-independence-and-economy-1>

⁴⁶ California Air Resources Board. 17 June 2016. *California Greenhouse Gas Emission Inventory -2016 Edition*. Available at: <http://www.arb.ca.gov/cc/inventory/data/data.htm>

⁴⁷ California Air Resources Board. 6 May 2015. *California Greenhouse Gas Inventory - Forests and Other Lands*. Available at: <http://www.arb.ca.gov/cc/inventory/sectors/forest/forest.htm>

**TABLE 5.2-1
CALIFORNIA GREENHOUSE GAS INVENTORY FOR 2000-2014 BY ECONOMIC SECTOR**

Sector	CO ₂ e Emissions (in Million Metric Tons)														
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Electricity (In state)	59	63	50	48	49	45	50	54	54	53	47	41	51	50	52
Electricity (Imports)	46	59	59	65	66	63	55	60	66	48	44	47	44	40	37
Transportation	178	179	186	183	185	187	187	187	176	170	166	163	163	162	163
Industrial	104	103	104	103	106	104	102	99	99	97	101	101	101	104	104
Commercial	14	14	16	15	16	16	17	17	18	19	20	21	21	22	22
Residential	31	30	30	31	30	30	30	30	31	30	31	32	30	31	27
Agriculture & forestry	32	32	34	34	34	36	36	36	34	35	36	37	37	35	36
Not specified	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total	469	485	483	486	495	488	486	493	490	462	456	455	461	459	

SOURCE:
California Air Resources Board. Updated 24 April 2015. *California Greenhouse Gas Inventory for 2000-2014 – by Sector and Activity*. Available at: https://www.arb.ca.gov/cc/inventory/data/tables/ghg_inventory_sector_sum_2000-14.pdf

In 2014, total California GHG emissions were 441.5 MMTCO_{2e}; total GHG emissions decreased by 2.8 MMTCO_{2e} from 2013 to 2014. This is an overall decrease of 9.4 percent since peak levels in 2004. Per capita emissions in California have decreased by 18 percent from 2000 to 2013, going from 13.9 metric tons of CO_{2e} per person in the peak of 2001 to 11.4 metric tons of CO_{2e} per person in 2014.⁴⁸ The GHG inventory additionally shows as GDP rises from 2000 to 2014, emissions per unit GDP, otherwise known as carbon intensity, has been declining. Carbon intensity has declined 28 percent since its 2001 peak.⁴⁹

For 2014, transportation makes up the largest portion at 36 percent of gross GHG emissions. Of the 163 MMTCO_{2e} emitted by transportation, 70 percent of the transportation emissions are from light duty vehicles. While population growth has increased the number of vehicles on the road, vehicles have been getting cleaner pursuant to Assembly Bill (AB) 1493. The next largest emitting sectors are industrial and electricity generation, which contribute 21 percent and 20 percent, respectively, of the total GHG emissions.

Since 2012, wind, solar, and natural gas generation has replaced nuclear and hydropower because of the closure of the San Onofre Nuclear Generating Station and lower hydropower generation as a result of California's drought. Renewable energy continues to increase, reaching nearly 25 percent by 2014.⁵⁰

Union Station Site Conditions

Metro has shown their commitment to sustainability by producing a Sustainability Report annually since 2010 and setting forth environmental initiatives like the Environmental Management System and Green Construction Policy.

The study area is a transportation hub for buses, trains, and automobiles. There are direct emissions from the tailpipes of passenger vehicles traveling on Alameda Street and Los Angeles Street. Metro buses run on CNG, and Metro trains are electrified so these are not considered a source of direct emissions. Metrolink and Amtrak trains are diesel-fueled and are a source of direct emissions. However, Metrolink has introduced Tier 4 locomotives, which saves fuel, reduces PM and NOx emissions, and increases safety through positive train control. There is a 60-space surface parking lot (Lot B) in the project site that provides daytime 2-hour parking. As these vehicles would potentially start in cold start mode, this would result in a higher rate of emissions compared to vehicles in flowing traffic. Lot B is also positioned adjacent to the Mozaic Apartments, which is a residence and therefore considered a sensitive receptor under CEQA. Also adjacent to the proposed project area is the La Petite Academy of Los Angeles. La Petite Academy of Los Angeles is an educational daycare center located within First 5 LA and is considered a sensitive receptor for air quality.

⁴⁸ California Air Resources Board. 17 June 2016. *California Greenhouse Gas Emissions for 2000 to 2014 – Trends of Emissions and Other Indicators*. Available at: https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2014/ghg_inventory_trends_00-14_20160617.pdf

⁴⁹ California Air Resources Board. 17 June 2016. *California Greenhouse Gas Emissions for 2000 to 2014 – Trends of Emissions and Other Indicators*. Available at: https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2014/ghg_inventory_trends_00-14_20160617.pdf

⁵⁰ California Air Resources Board. 17 June 2016. *California Greenhouse Gas Emissions for 2000 to 2014 – Trends of Emissions and Other Indicators*. Available at: https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2014/ghg_inventory_trends_00-14_20160617.pdf

6.1 AIR QUALITY IMPACTS

Impact AIR-1: Conflict with or obstruct implementation of the applicable air quality plan

Less than Significant Impact

The 2016 AQMP by SCAQMD was approved in March 2017; however, the Notice of Preparation for the proposed project was released on December 22, 2016. Therefore, the approved 2012 AQMP is the applicable air quality plan. As the proposed project is listed in the SCAG Federal Transportation Improvement Program (FTIP) for the Alameda Street Improvements portion only, the Los Angeles Street improvements will be approved in the July 2017 FTIP, it is found to be consistent with the SCAG 2016–2040 RTP/SCS. The remaining Los Angeles street improvements and forecourt area improvements would be minor by comparison for construction and operation in terms of air quality impact. For air quality conformity, the Alameda Street Improvements is listed as a transportation control measure, meaning it has been identified as a project that supports efforts to attain federal and state air quality standards. The Los Angeles Street improvements would not result in any additional VMT or generate substantial emissions. Despite an anticipated worsening of LOS at certain study intersections, the proposed project is intended to encourage mode shift to more active modes of transportation and to reduce VMT, which is aligned with the goals of the SCAG 2016 RTP/SCS. The traffic modelling documented in Section 3.17, *Transportation and Traffic*, of the Draft EIR concludes that intersection LOS will worsen at several intersections as a result of the roadway capacity repurposing associated with the implementation of the project. However, the analysis is conservative, because it assumes that vehicle trips will not shift to other travel modes, to alternative routes, or shift time periods as a result of worsened intersection level of service. This ensures that the maximum potential traffic impact envelope is identified in the EIR, but it is likely to overstate the effects to intersection operating conditions, because some of these shifts in mode, route, or time period will likely occur. As a key first/last mile connection, the proposed project supports broader regional transportation and air quality goals that collectively will help to reduce regional air quality impacts. Therefore, the proposed project would not conflict with the goals in the 2012 AQMP or SCAG 2016 RTP/SCS to reduce transportation related emissions.

The proposed project is also in alignment with the policies and goals of the Central City North Community Plan and Central City Community Plan related to air quality. The Central City North Community Plan adheres to the Los Angeles Citywide General Plan Framework Transportation Improvement and Mitigation Program (TIMP) as part of its Transportation Demand Management Program (TDM). The purpose of the TDM is to encourage people to use more fuel-efficient modes of transportation to reduce emissions. Through the Alameda Street improvements, the proposed project incorporates more pedestrian and bicycle access to LAUS, a hub for transit services in the Los Angeles region. A grand consolidated pedestrian crossing improves connectivity between the El Pueblo District and LAUS. A small section of the project site on Los Angeles Street lies within the Central City Community Plan. Similar to the Central City North Community Plan, the proposed project would not conflict with the Central City Community Plan for any air quality issues as the proposed project promotes multi-modal access, provides a Civic Plaza as open space, improves pedestrian and bicycle circulation. The proposed project achieves this goal by making the streetscape more pedestrian friendly to encourage people out of their cars and onto transit, bicycles, and travel by foot.

Transportation Conformity

A transportation conformity determination is required for approval, funding, or implementation of FWHA/FTA projects. Once built, the proposed project would not increase the number of vehicles in the vicinity or VMT because there is no development associated with the project. The proposed project would simply accommodate existing demand and therefore not be considered a destination. As evaluated in Section 3.17, *Transportation and Traffic*, of the Draft EIR, three intersections located in the project study area would experience worse LOS and average delay. Intersection #17 would have its worse delay at the PM Peak Hour, while Intersection #19 and #24 would have its worse delay in the AM Peak Hour. For PM Peak Hour, Intersection #17 at Alameda/Cesar Chavez would worsen from an existing LOS C in 2016 (29-second delay) to LOS D in 2029 (45-second delay), experiencing 7 seconds' delay from the proposed project and an additional 9 seconds' delay from cumulative impacts. For AM Peak Hour, Intersection #19 at Alameda/Los Angeles St. would worsen from an existing LOS B (15-second delay) to LOS E (62-second delay), experiencing 26 seconds' delay from the proposed project and an additional 21 seconds' delay from cumulative impacts. For AM Peak Hour, Intersection #24 at Alameda/Arcadia would worsen from an existing LOS E (78-second delay) to LOS F (120+ second delay), experiencing 8+ second delay from the proposed project and an additional 34 seconds' delay from cumulative impacts. Despite potential localized impacts, the proposed project, as the Alameda street improvements only, is listed in the FTIP by SCAG as a transportation control measure and would have an overall benefit to air quality by providing pedestrian and biking facilities as well as more accessible transit options. It is anticipated that the proposed project would be exempt from regional emissions analysis pursuant to Table 3 of §93.127 as an intersection channelization project.

Impact AIR-2: Violate any air quality standard or contribute substantially to an existing or projected air quality violation

Less than Significant Impact

The proposed project would result in a less than significant impact to air quality related to the potential to violate any air quality standard or contribute substantially to an existing or projected air quality violation during construction, operation, and maintenance. In order to meet sustainability goals, the proposed project would use performance-based best management practices which may include, but are not limited to, porous paving materials, photovoltaic/piezoelectric components in the forecourt, shade trees to reduce the urban heat island effect, bioswales, recycled water for the central water feature, as well as water efficient and energy efficient fixtures in the small transit-serving building

Construction

Construction emissions were calculated using CalEEMod 2016.3.1 per the Construction Scenario and assumptions. These emissions are compared to the SCAQMD significance thresholds in Table 6.1-1, *Unmitigated Peak Daily Construction Emissions (lbs/day)*. Air quality thresholds are set to protect public health. All construction work would also adhere to the Metro Green Construction Policy.

**TABLE 6.1-1
UNMITIGATED PEAK DAILY CONSTRUCTION EMISSIONS (LBS/DAY)**

	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Construction emissions (lb/day)	3.11	27.28	20.56	0.04	6.58	4.18
SCAQMD (lbs/day) significance threshold	75	100	550	150	150	55
Exceeds threshold?	No	No	No	No	No	No

SOURCE: Appendix A, CalEEMod_Summer Report

Operation

The proposed project is a bike and pedestrian infrastructure project with a roadway reconfiguration on Alameda Street, so it is not considered growth inducing. As the proposed project is located in a highly urbanized area directly adjacent and surrounded by multiple transit options (bus, light rail, heavy rail), it would be part of a high quality transit corridor. The proposed project would provide more open space through the civic area, but is not a destination in itself as it is a component of LAUS and would not result in additional VMT. For these reasons, the VMT that would be generated by the proposed project are assumed to be zero. Therefore, no operational mobile emissions were calculated.

The proposed project would also eliminate the 60-space parking lot, which would save on the cold start emissions from cars. The forecourt area would not create any direct emissions through operation of the outdoor lighting, water feature, or the small transit-serving building. Indirect emissions would be minimal as the operational usage of the forecourt area would require limited electricity and water usage to power the water feature and outdoor landscaping and safety lights, as well as the lighting and water fixtures in the small transit-serving building. The proposed project's elements would result in 6.5 lbs/day of VOCs, of which the transit-serving building would not substantially contribute. This is well below the threshold of 55 lbs/day per the SCAQMD significance thresholds.⁵¹ The proposed project would also provide a net 49 new trees in addition to the 80 existing trees that would remain on site for a total of 129 trees. These trees would provide a benefit to air quality since they would sequester carbon dioxide from the air.

Maintenance

The proposed project would require limited maintenance. The landscaping and small transit-serving building would require minimal upkeep. Maintenance activities typically do not cause substantial emissions and would be outweighed by the benefits resulting from the project's sustainability goals, which may include, but are not limited to, additional trees, bioswales, pedestrian/bicycle facilities, and reduction of vehicles in the project area as people shift to alternative modes of transportation.

Carbon Monoxide Hot Spot Analysis

As shown in the Traffic Study, the LOS and average delay would worsen for all three intersections within the project study area. This is further worsened by development projects in the proposed project vicinity area, which are considered in the cumulative impacts. However, the proposed

⁵¹ Appendix A, CalEEMod_Summer Report.

project would screen out in the CO Protocol⁵² at Section 4, Level 7 in the CO Protocol's Figure 4, *Local CO Analysis*. To determine if a project worsens air quality (Section 4.7.1 of the CO Protocol), the proposed project shall not increase overall traffic volumes, shall not increase the number of diesel vehicles on a permanent basis, shall not increase number of vehicles operating in cold start mode, **and shall not worsen traffic flow**. Because the proposed **project does worsen traffic flow (LOS)**, the proposed project advances to Section 4.7.2 of the CO Protocol and is further evaluated for proximity to receptors, roadway geometry, and other geographical and ambient air quality characteristics. With the proposed project, receptors such as La Petite Academy would be farther from the roadway because of the vehicle lane reduction, and the number of vehicles operating in cold start mode would be reduced with the removal of the short-term parking lot. The traffic lane volumes and percentage of heavy duty gas trucks would not be greater as a result of the project. While average delay is shown to increase at certain study intersections, as evaluated in Section 3.17, *Transportation and Traffic*, of the Draft EIR, the traffic analysis is conservative, because it assumes that vehicle trips will not shift to other travel modes, to alternative routes, or shift time periods as a result of worsened intersection level of service. This ensures that the maximum potential traffic impact envelope is identified in the EIR, but it is likely to overstate the effects to intersection operating conditions, because some of these shifts in mode, route, or time period will likely occur. As a key first/last mile connection, the proposed project during operation in the long term supports broader regional transportation and air quality goals to reduce pollutant concentrations at the project site. As shown in the CalEEMod modeling, the CO generated from the proposed project during construction would also be less than significant.⁵³ Because the proposed project will not result in higher CO concentrations than those existing within the region at the time of attainment demonstration, the proposed project is determined to be satisfactory for CO with no further analysis needed. The proposed project screens out in Section 4.7.2 of the CO Protocol. Therefore, the proposed project will not have the potential for causing or worsening violation of the NAAQS for CO.

PM Hot Spot Analysis

The proposed project is not considered a project of air quality concern for PM₁₀ and PM_{2.5} because it would not fulfill any of the criteria listed in 40 CFR 93.123(b)(1).

According to the criteria specified pursuant to 40 CFR 93.123(b)(1), a project would create air quality concern if it fulfills one of these criteria:

- New or expanded highway projects that have a significant number of or significant increase in diesel vehicles
- Projects affecting intersections at Level of Service (LOS) D, E, or F with a significant number of diesel vehicles or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project
- New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location

⁵² California Department of Transportation. "Transportation Project-Level Carbon Monoxide Protocol." December 1997. Available at: http://www.dot.ca.gov/hq/env/air/documents/COProtocol_searchable.pdf

⁵³ Appendix A, CalEEMod_Summer Report.

- Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location
- Projects in or affecting locations, areas, or categories of sites that are identified in the PM_{2.5}-Or PM₁₀-applicable implementation plan or implementation

Impact AIR-3: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)

Less than Significant Impact

The proposed project would result in a less than significant impact to air quality related to a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment. The proposed project is located within the South Coast Air Basin, which is in a federal non-attainment area for 1-hour ozone, 8-hour ozone, and PM_{2.5}, and a state level non-attainment area for 1-hour ozone, 8-hour ozone, PM₁₀, and PM_{2.5}. Sixty-three (63) development projects are located in the vicinity of the proposed project, including Metro projects, residential development, commercial development, bus stop improvements, active transportation corridors, mixed-use projects, and more. However, the construction schedule for these projects would be staggered, and the emissions would be temporary and intermittent in nature as the projects move through the various construction stages. None of these projects would create significant long term operational emissions as deduced from the nature of these projects not being stationary sources for industry or any large scale utility projects. In fact, many of these projects would result in a benefit to air quality as they provide better transit services, walking and biking facilities, transit oriented development, and higher density areas in an urban location, which would reduce VMT consistent with the SCAG 2016 RTP/SCS. Therefore, the proposed project would result in a less than significant impact to a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment.

Impact AIR-4: Expose sensitive receptors to substantial pollutant concentrations

Less than Significant Impact

The proposed project would result in a less than significant impact with regard to exposing sensitive receptors to substantial pollutant concentrations. The proposed project would reduce the number of vehicle travel lanes along Alameda Street and add a forecourt and esplanade. The proposed project would not cause additional vehicle trips and therefore would not generate substantial pollutant concentrations. Furthermore, the removal of the 60-space surface parking lot would reduce cold start emissions from vehicles near sensitive receptors. The relocation of driveways into LAUS and the addition of curbside drop offs on Alameda Street would prevent vehicles from turning into LAUS from Alameda Street and direct traffic away from the sensitive receptors. The nearest sensitive receptor to the project study area is the First 5 LA school, which is a non-profit organization that creates programs and services that advocate for children age 0–5. First 5 LA is located adjacent to the project boundary (Figure 3, *Sensitive Receptors*). La Petite Academy is a day care facility located within the First 5 building. The Mozaic Apartments are the closest residences and are located adjacent to the project boundary. While construction would require off-road diesel equipment and hauling trucks to be used, these impacts are short term and intermittent in nature. As evaluated in the CalEEMod run, both construction and operational

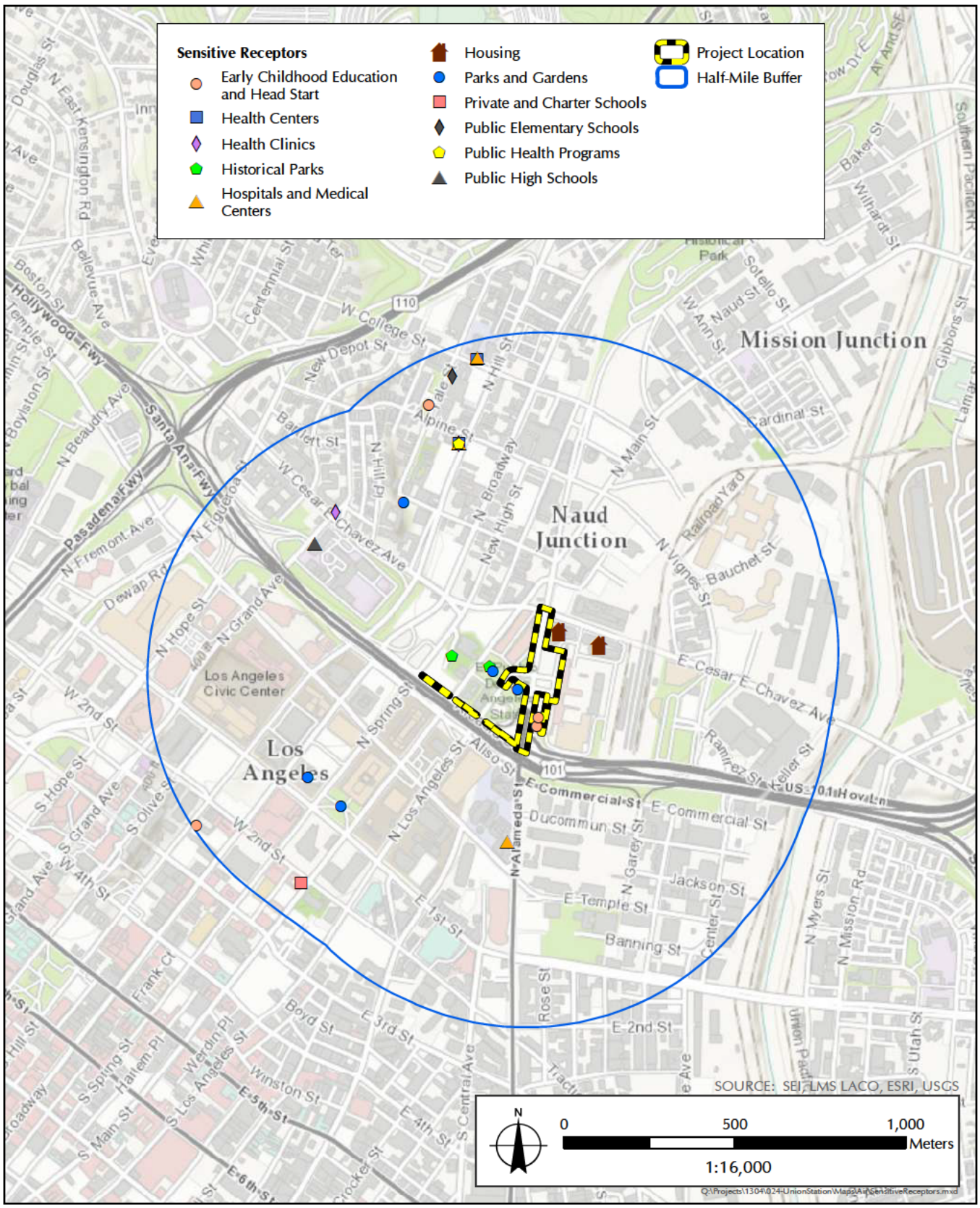


FIGURE 3

Sensitive Receptors within a Half-Mile Radius of the Project Site

impacts to air quality would be less than significant, and therefore would not expose sensitive receptors to substantial pollutant concentrations.

Impact AIR-5: Create objectionable odors affecting a substantial number of people

Less than Significant Impact

The proposed project would result in a less than significant impact to air quality in relation to exposing a substantial number of people to objectionable odors. According to the SCAQMD's CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The nature of the project is to create a more pedestrian and bike friendly entrance to LAUS that will reduce vehicle traffic in the area as people shift to other more sustainable modes of transportation. This type of project is not a typical source of odors. The proposed project does not incorporate any uses identified by the SCAQMD as being associated with odors, or any comparable use that would be expected to generate nuisance odors. The vehicle lane reduction on Alameda Street would cause more idling and delay of vehicles in the short term that would result in emissions, but this impact would be less than significant as people recognize that other active transportation modes are available and VMT is reduced. The traffic modelling documented in Section 3.17, *Transportation and Traffic*, of the Draft EIR concludes that intersection level of service (LOS) will worsen at several intersections as a result of the roadway capacity repurposing associated with the implementation of the project. However, the analysis is conservative, because it assumes that vehicle trips will not shift to other travel modes, to alternative routes, or shift time periods as a result of worsened intersection level of service. This ensures that the maximum potential traffic impact envelope is identified in the EIR, but it is likely to overstate the effects to intersection operating conditions, because some of these shifts in mode, route, or time period will likely occur. As a key first/last mile connection, the project supports broader regional transportation and air quality goals that collectively will help to reduce regional air quality impacts. As a result, the proposed project would result in a less than significant impact to creating objectionable odors affecting a substantial number of people.

6.2. GREENHOUSE GAS IMPACTS

Impact GHG-1: Generates GHG emissions, directly or indirectly, that may have a significant impact on the environment

Less than Significant Impact

Construction

The proposed project would result in a less than significant impact with regard to generating GHG emissions during the construction phase. The proposed project is estimated to produce approximately 153 MT CO₂e/year during the construction phase.⁵⁴ Because the proposed project would reduce vehicle emissions and provide a multi-use path and a civic plaza, the proposed project would not generate a significant amount of GHG emissions. Metro's Green Construction Policy would require implementation of best management practices for reducing diesel exhaust emissions for both on-road and off-road equipment/vehicles. As the Los Angeles pLAN and SCAQMD do not specify project level goals for GHG emissions, the Sacramento Metropolitan Air

⁵⁴ Appendix A, CalEEMod Annual Report.

Quality Management District (SMAQMD) Recommended Guidance for Land Use Emission Reduction Version 3.2 was used as a proxy for comparison. The SMAQMD Guidance states that 1,100 MT CO₂e/year be the significance threshold for construction emissions.⁵⁵ As the proposed project would be well below that threshold for GHG emissions, it would result in a less than significant impact with regard to generating GHG emissions during the construction phase.

Operation

The proposed project would result in a less than significant impact with regard to generating GHG emissions during the operation phase. The proposed project is estimated to produce 126 MT CO₂e/year during the operational phase.⁵⁶ Similar to the construction phase, the SMAQMD Guidance was used to establish an operational GHG emissions threshold for comparison. The SMAQMD Guidance states that 1,100 MT CO₂e/year be the significance threshold for operational emissions. As the project would be well below that threshold for GHG emissions, it would result in a less than significant impact with regard to generating GHG emissions during the operational phase.

Indirect emissions of GHG associated with electricity and water usage to power the water feature and outdoor landscaping and safety lights are projected to be minimal. The proposed project would also provide a net 49 new trees on the project site. These trees would provide a benefit to GHG emissions since they would sequester carbon dioxide from the air. Operations would result in 6.5 lb VOCs per day, which is well below the 55 lb/day threshold for VOCs set by the SCAQMD.⁵⁷

Impact GHG-2: Conflicts with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases

No Impact

The proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases. In accordance with SB 97, CEQA must evaluate GHG emissions. The applicable policy for regulating GHG emissions would be AB 32 to reduce GHG emissions to 1990 levels by 2020 and SB32 which requires GHG emissions to be below 40 percent of 1990 levels by 2030. This goal is embodied on the city level in the GreenLA: An Action Plan to Lead the Nation in Fighting Global Warming, which uses a multi-prong approach targeting energy, water, transportation, waste, open space, and a green economy to reduce GHG emissions in Los Angeles. Written in 2007, GreenLA set the goal of reducing the city's GHG emissions to 35 percent below 1990 levels by 2030. In particular, the proposed project would improve mobility without increasing vehicle usage and create more livable spaces in the urban core, which are actions in alignment with the strategies in GreenLA. As a forecourt and esplanade improvements project, the proposed project would not generate a significant amount of GHG emissions in either the construction or operation phase. Construction emissions would be further reduced by adherence to the Metro's Green Construction Policy. The proposed project is also listed in the SCAG 2016 RTP/SCS, so it is consistent with regional plans to reduce GHG emissions. Most recently, the City of Los Angeles produced the 2015 Sustainable City pLAN. This

⁵⁵ SMAQMD Recommended Guidance for Land Use Emission Reductions. April 1, 2015. Available at: http://www.airquality.org/LandUseTransportation/Documents/SMAQMD%20LU%20Measures-Final_v3-2.pdf

⁵⁶ Appendix A, CalEEMod_Annual Report.

⁵⁷ Appendix A, CalEEMod_Summer Report.

project is consistent with the pLAN because it would support public transit, walking, and cycling by providing the Alameda Esplanade. Improving the facilities at a transportation hub like LAUS would further reduce transportation emissions, consistent with the pLAN, since people would be encouraged to get out of their vehicles and use alternative modes of transport such as bicycling and the Metro. The project would not hinder, but rather help, Los Angeles reach the GHG emissions targets of 20 percent below the 1990 baseline by 2013 and 45 percent below the 1990 baseline by 2025. Therefore, it would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

6.3 CUMULATIVE IMPACTS

The incremental impact of the proposed project to air quality and GHG emissions, when added to the related past, present, or reasonably foreseeable, probable future projects listed in Section 2, *Project Description*, of the Draft EIR, would be less than significant. There are several development projects located in the vicinity of the proposed project, including Metro projects, residential development, commercial development, bus stop improvements, active transportation corridors, mixed-use projects, and more. Due to the temporary and intermittent nature of construction and because none of these cumulative projects are expected to produce long-term operational emissions from the nature of the projects, the cumulative impact to air quality would be less than significant. Many of these projects would result in a benefit to air quality in the long term as they provide better transit services, walking and biking facilities, transit oriented development, and higher density areas in an urban location, which would reduce VMT. The proposed project is also listed in the SCAG 2016 RTP/SCS, so it is consistent with regional plans to reduce GHG emissions.

6.4 MITIGATION MEASURES

The proposed project would not result in significant impacts on air quality or GHG emissions; therefore, the consideration of mitigation measures or alternatives is not required.

SECTION 7.0 CONCLUSION

This section of the Report provides the conclusions and recommendations for meeting GHG reduction targets and minimizing air quality emissions.

The proposed project would be below the level of significance for all criteria pollutant emissions during both construction and operational phase.

The proposed project would produce approximately 153 MTCO₂e/year during the construction phase and 126 MTCO₂e/year during the operational phase, which would be well below the 1,100 MTCO₂e/year threshold given by the SMAQMD Guidance. Therefore, the proposed project would be below the level of significance.

The proposed project would adhere to all federal, state, regional, and local rules and regulations. No specific project level mitigation measures are included for air quality and GHG emissions because all impacts would be less than significant.

Overall, despite worsening LOS, the project would provide a long term benefit to air quality and GHG emissions as it would support a reduction of VMT as people shift to alternate modes of transportation such as public transit, walking, and cycling. These goals are in alignment with the DTLA 2040 vision, Los Angeles City General Plan, and Downtown community plans.

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

Los Angeles Union Station Forecourt and Esplanade Improvements
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	1.00	User Defined Unit	0.00	292,274.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

Project Characteristics - Feb/Mar 2020 start date

Land Use - Recreational land use type chosen, 292,274 sq ft in project study area

Construction Phase - Assumptions based upon USMP Cost Estimates, GIS, and similar projects' construction scenarios

Off-road Equipment - Based upon similar projects

Off-road Equipment - Based upon similar projects

Off-road Equipment - Based off similar projects

Off-road Equipment - Based off similar project

Trips and VMT - See assumptions in text.

Demolition -

Grading - 95,000 SF of forecourt improvement, but only 75,000 SF developed. Also, 50 CY of soil for site earthwork. (Source: USMP Cost Plan)

Architectural Coating - No architectural coatings assumed.

Vehicle Trips - Project will not be growth inducing and therefore results in no new vehicle trips.

Road Dust -

Area Coating - No parking or interior space

Energy Use - 22 lighted bollards shown in USMP cost plan for the forecourt. Assume 50 lighted bollards for proposed project to be conservative.

Used assumption of 50 kWh for annual consumption so $50 \times 50 = 2500$ kWh/yr /292274 SF size = .00855 kWh/size/yr

Source: <http://cltc.ucdavis.edu/sites/default/files/files/publication/20100800-pier-bilevel-led-bollard.pdf>

Water And Wastewater - Water feature: <http://recmanagement.com/feature_print.php?fid=201203GC02> "An average medium-sized splashpad runs approximately 160 GPM, or just under 55,000 gallons per day"

$50,000 \text{ gal/day} \times 365 \text{ days/yr} = 20,075,000 \text{ gal/yr}$

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	40.00
tblConstructionPhase	NumDays	0.00	40.00
tblConstructionPhase	NumDays	0.00	30.00
tblConstructionPhase	NumDays	0.00	30.00
tblEnergyUse	T24E	0.00	8.5500e-003
tblGrading	AcresOfGrading	30.00	1.72
tblGrading	AcresOfGrading	15.00	1.72

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tblGrading	MaterialExported	0.00	50.00
tblGrading	MaterialImported	0.00	50.00
tblLandUse	BuildingSpaceSquareFeet	0.00	292,274.00
tblLandUse	LandUseSquareFeet	0.00	292,274.00
tblOffRoadEquipment	HorsePower	187.00	81.00
tblOffRoadEquipment	HorsePower	247.00	97.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	LoadFactor	0.40	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	UsageHours	6.00	4.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblSequestration	NumberOfNewTrees	0.00	49.00
tblTripsAndVMT	HaulingTripNumber	0.00	130.00
tblTripsAndVMT	HaulingTripNumber	0.00	97.00
tblTripsAndVMT	HaulingTripNumber	10.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblWater	OutdoorWaterUseRate	0.00	20,075,000.00

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1398	1.3436	0.9819	1.7100e-003	0.1947	0.0748	0.2695	0.1028	0.0695	0.1723	0.0000	151.6360	151.6360	0.0375	0.0000	152.5743
Maximum	0.1398	1.3436	0.9819	1.7100e-003	0.1947	0.0748	0.2695	0.1028	0.0695	0.1723	0.0000	151.6360	151.6360	0.0375	0.0000	152.5743

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1398	1.3436	0.9819	1.7100e-003	0.1947	0.0748	0.2695	0.1028	0.0695	0.1723	0.0000	151.6358	151.6358	0.0375	0.0000	152.5742
Maximum	0.1398	1.3436	0.9819	1.7100e-003	0.1947	0.0748	0.2695	0.1028	0.0695	0.1723	0.0000	151.6358	151.6358	0.0375	0.0000	152.5742

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-3-2020	5-2-2020	0.6769	0.6769
2	5-3-2020	8-2-2020	0.7408	0.7408
3	8-3-2020	9-30-2020	0.0443	0.0443
		Highest	0.7408	0.7408

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1916	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3918	1.3918	3.0000e-005	1.0000e-005	1.3947
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	124.2209	124.2209	2.9300e-003	6.1000e-004	124.4752
Total	1.1916	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	125.6128	125.6128	2.9600e-003	6.2000e-004	125.8699

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	34.6920
Total	34.6920

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	3/27/2020	5	40	removal of parking lot and trees
2	Site Preparation	Site Preparation	3/28/2020	5/8/2020	5	30	
3	Grading	Grading	5/9/2020	7/3/2020	5	40	
4	Paving	Paving	7/4/2020	8/14/2020	5	30	including striping/new configuration on Alameda and Los Angeles St

Acres of Grading (Site Preparation Phase): 1.72

Acres of Grading (Grading Phase): 1.72

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

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OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	6.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Graders	2	6.00	81	0.73
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	4.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	2.00	97.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0499	0.4913	0.3912	6.4000e-004		0.0266	0.0266		0.0248	0.0248	0.0000	55.7463	55.7463	0.0152	0.0000	56.1272
Total	0.0499	0.4913	0.3912	6.4000e-004		0.0266	0.0266		0.0248	0.0248	0.0000	55.7463	55.7463	0.0152	0.0000	56.1272

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0193	4.2500e-003	5.0000e-005	1.1200e-003	6.0000e-005	1.1800e-003	3.1000e-004	6.0000e-005	3.6000e-004	0.0000	5.0101	5.0101	3.5000e-004	0.0000	5.0188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.3400e-003	0.0148	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.6769	3.6769	1.2000e-004	0.0000	3.6798
Total	2.2300e-003	0.0206	0.0191	9.0000e-005	5.0600e-003	9.0000e-005	5.1800e-003	1.3600e-003	9.0000e-005	1.4400e-003	0.0000	8.6869	8.6869	4.7000e-004	0.0000	8.6986

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3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0499	0.4913	0.3912	6.4000e-004		0.0266	0.0266		0.0248	0.0248	0.0000	55.7463	55.7463	0.0152	0.0000	56.1271
Total	0.0499	0.4913	0.3912	6.4000e-004		0.0266	0.0266		0.0248	0.0248	0.0000	55.7463	55.7463	0.0152	0.0000	56.1271

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0193	4.2500e-003	5.0000e-005	1.1200e-003	6.0000e-005	1.1800e-003	3.1000e-004	6.0000e-005	3.6000e-004	0.0000	5.0101	5.0101	3.5000e-004	0.0000	5.0188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6600e-003	1.3400e-003	0.0148	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.6769	3.6769	1.2000e-004	0.0000	3.6798
Total	2.2300e-003	0.0206	0.0191	9.0000e-005	5.0600e-003	9.0000e-005	5.1600e-003	1.3600e-003	9.0000e-005	1.4400e-003	0.0000	8.6869	8.6869	4.7000e-004	0.0000	8.6986

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3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1265	0.0614	1.5000e-004		5.0300e-003	5.0300e-003		4.6300e-003	4.6300e-003	0.0000	12.8388	12.8388	4.1500e-003	0.0000	12.9426
Total	0.0103	0.1265	0.0614	1.5000e-004	0.0912	5.0300e-003	0.0963	0.0498	4.6300e-003	0.0544	0.0000	12.8388	12.8388	4.1500e-003	0.0000	12.9426

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0144	3.1700e-003	4.0000e-005	8.3000e-004	4.0000e-005	8.8000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	3.7383	3.7383	2.6000e-004	0.0000	3.7448
Vendor	1.1000e-004	3.2500e-003	8.8000e-004	1.0000e-005	1.9000e-004	2.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7453	0.7453	5.0000e-005	0.0000	0.7465
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2256	1.2256	4.0000e-005	0.0000	1.2266
Total	1.0900e-003	0.0181	8.9900e-003	6.0000e-005	2.3300e-003	7.0000e-005	2.4100e-003	6.3000e-004	6.0000e-005	7.0000e-004	0.0000	5.7092	5.7092	3.5000e-004	0.0000	5.7179

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3.3 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1265	0.0614	1.5000e-004		5.0300e-003	5.0300e-003		4.6300e-003	4.6300e-003	0.0000	12.8387	12.8387	4.1500e-003	0.0000	12.9426
Total	0.0103	0.1265	0.0614	1.5000e-004	0.0912	5.0300e-003	0.0963	0.0498	4.6300e-003	0.0544	0.0000	12.8387	12.8387	4.1500e-003	0.0000	12.9426

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0144	3.1700e-003	4.0000e-005	8.3000e-004	4.0000e-005	8.8000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	3.7383	3.7383	2.6000e-004	0.0000	3.7448
Vendor	1.1000e-004	3.2500e-003	8.8000e-004	1.0000e-005	1.9000e-004	2.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7453	0.7453	5.0000e-005	0.0000	0.7465
Worker	5.5000e-004	4.5000e-004	4.9400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2256	1.2256	4.0000e-005	0.0000	1.2266
Total	1.0900e-003	0.0181	8.9900e-003	6.0000e-005	2.3300e-003	7.0000e-005	2.4100e-003	6.3000e-004	6.0000e-005	7.0000e-004	0.0000	5.7092	5.7092	3.5000e-004	0.0000	5.7179

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3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0614	0.5408	0.3468	5.0000e-004		0.0357	0.0357		0.0332	0.0332	0.0000	43.5179	43.5179	0.0113	0.0000	43.7999
Total	0.0614	0.5408	0.3468	5.0000e-004	0.0912	0.0357	0.1270	0.0498	0.0332	0.0830	0.0000	43.5179	43.5179	0.0113	0.0000	43.7999

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	4.3300e-003	1.1700e-003	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9937	0.9937	6.0000e-005	0.0000	0.9953
Worker	7.4000e-004	6.0000e-004	6.5900e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.6342	1.6342	5.0000e-005	0.0000	1.6355
Total	8.9000e-004	4.9300e-003	7.7600e-003	3.0000e-005	2.0000e-003	3.0000e-005	2.0400e-003	5.4000e-004	3.0000e-005	5.7000e-004	0.0000	2.6279	2.6279	1.1000e-004	0.0000	2.6307

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3.4 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0614	0.5408	0.3468	5.0000e-004		0.0357	0.0357		0.0332	0.0332	0.0000	43.5179	43.5179	0.0113	0.0000	43.7998
Total	0.0614	0.5408	0.3468	5.0000e-004	0.0912	0.0357	0.1270	0.0498	0.0332	0.0830	0.0000	43.5179	43.5179	0.0113	0.0000	43.7998

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	4.3300e-003	1.1700e-003	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9937	0.9937	6.0000e-005	0.0000	0.9953
Worker	7.4000e-004	6.0000e-004	6.5900e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.6342	1.6342	5.0000e-005	0.0000	1.6355
Total	8.9000e-004	4.9300e-003	7.7600e-003	3.0000e-005	2.0000e-003	3.0000e-005	2.0400e-003	5.4000e-004	3.0000e-005	5.7000e-004	0.0000	2.6279	2.6279	1.1000e-004	0.0000	2.6307

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3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0128	0.1293	0.1355	2.1000e-004		7.2400e-003	7.2400e-003		6.6700e-003	6.6700e-003	0.0000	17.9089	17.9089	5.7200e-003	0.0000	18.0518
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0128	0.1293	0.1355	2.1000e-004		7.2400e-003	7.2400e-003		6.6700e-003	6.6700e-003	0.0000	17.9089	17.9089	5.7200e-003	0.0000	18.0518

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0114	3.0800e-003	3.0000e-005	6.6000e-004	5.0000e-005	7.1000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	2.6085	2.6085	1.7000e-004	0.0000	2.6126
Worker	9.0000e-004	7.3000e-004	8.0300e-003	2.0000e-005	2.1400e-003	2.0000e-005	2.1600e-003	5.7000e-004	2.0000e-005	5.8000e-004	0.0000	1.9916	1.9916	6.0000e-005	0.0000	1.9932
Total	1.2800e-003	0.0121	0.0111	5.0000e-005	2.8000e-003	7.0000e-005	2.8700e-003	7.6000e-004	7.0000e-005	8.2000e-004	0.0000	4.6001	4.6001	2.3000e-004	0.0000	4.6058

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3.5 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0128	0.1293	0.1355	2.1000e-004		7.2400e-003	7.2400e-003		6.6700e-003	6.6700e-003	0.0000	17.9088	17.9088	5.7200e-003	0.0000	18.0518
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0128	0.1293	0.1355	2.1000e-004		7.2400e-003	7.2400e-003		6.6700e-003	6.6700e-003	0.0000	17.9088	17.9088	5.7200e-003	0.0000	18.0518

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0114	3.0800e-003	3.0000e-005	6.6000e-004	5.0000e-005	7.1000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	2.6085	2.6085	1.7000e-004	0.0000	2.6126
Worker	9.0000e-004	7.3000e-004	8.0300e-003	2.0000e-005	2.1400e-003	2.0000e-005	2.1600e-003	5.7000e-004	2.0000e-005	5.8000e-004	0.0000	1.9916	1.9916	6.0000e-005	0.0000	1.9932
Total	1.2800e-003	0.0121	0.0111	5.0000e-005	2.8000e-003	7.0000e-005	2.8700e-003	7.6000e-004	7.0000e-005	8.2000e-004	0.0000	4.6001	4.6001	2.3000e-004	0.0000	4.6058

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Recreational	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Recreational	2498.94	1.3918	3.0000e-005	1.0000e-005	1.3947
Total		1.3918	3.0000e-005	1.0000e-005	1.3947

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Recreational	2498.94	1.3918	3.0000e-005	1.0000e-005	1.3947
Total		1.3918	3.0000e-005	1.0000e-005	1.3947

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1916	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	1.1916	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	1.1916	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	1.1916	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	124.2209	2.9300e-003	6.1000e-004	124.4752
Unmitigated	124.2209	2.9300e-003	6.1000e-004	124.4752

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Recreational	0 / 20.075	124.2209	2.9300e-003	6.1000e-004	124.4752
Total		124.2209	2.9300e-003	6.1000e-004	124.4752

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Recreational	0 / 20.075	124.2209	2.9300e-003	6.1000e-004	124.4752
Total		124.2209	2.9300e-003	6.1000e-004	124.4752

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	34.6920	0.0000	0.0000	34.6920

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	49	34.6920	0.0000	0.0000	34.6920
Total		34.6920	0.0000	0.0000	34.6920

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

Los Angeles Union Station Forecourt and Esplanade Improvements
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	1.00	User Defined Unit	0.00	292,274.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2021
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

Project Characteristics - Feb/Mar 2020 start date

Land Use - Recreational land use type chosen, 292,274 sq ft in project study area

Construction Phase - Assumptions based upon USMP Cost Estimates, GIS, and similar projects' construction scenarios

Off-road Equipment - Based upon similar projects

Off-road Equipment - Based upon similar projects

Off-road Equipment - Based off similar projects

Off-road Equipment - Based off similar project

Trips and VMT - See assumptions in text.

Demolition -

Grading - 95,000 SF of forecourt improvement, but only 75,000 SF developed. Also, 50 CY of soil for site earthwork. (Source: USMP Cost Plan)

Architectural Coating - No architectural coatings assumed.

Vehicle Trips - Project will not be growth inducing and therefore results in no new vehicle trips.

Road Dust -

Area Coating - No parking or interior space

Energy Use - 22 lighted bollards shown in USMP cost plan for the forecourt. Assume 50 lighted bollards for proposed project to be conservative.

Used assumption of 50 kWh for annual consumption so $50 \times 50 = 2500$ kWh/yr /292274 SF size = .00855 kWh/size/yr

Source: <http://cltc.ucdavis.edu/sites/default/files/files/publication/20100800-pier-bilevel-led-bollard.pdf>

Water And Wastewater - Water feature: http://recmanagement.com/feature_print.php?fid=201203GC02 "An average medium-sized splashpad runs approximately 160 GPM, or just under 55,000 gallons per day"

$50,000 \text{ gal/day} \times 365 \text{ days/yr} = 20,075,000 \text{ gal/yr}$

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	40.00
tblConstructionPhase	NumDays	0.00	40.00
tblConstructionPhase	NumDays	0.00	30.00
tblConstructionPhase	NumDays	0.00	30.00
tblEnergyUse	T24E	0.00	8.5500e-003
tblGrading	AcresOfGrading	30.00	1.72
tblGrading	AcresOfGrading	15.00	1.72

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

tblGrading	MaterialExported	0.00	50.00
tblGrading	MaterialImported	0.00	50.00
tblLandUse	BuildingSpaceSquareFeet	0.00	292,274.00
tblLandUse	LandUseSquareFeet	0.00	292,274.00
tblOffRoadEquipment	HorsePower	187.00	81.00
tblOffRoadEquipment	HorsePower	247.00	97.00
tblOffRoadEquipment	LoadFactor	0.41	0.73
tblOffRoadEquipment	LoadFactor	0.40	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblSequestration	NumberOfNewTrees	0.00	49.00
tblTripsAndVMT	HaulingTripNumber	0.00	130.00
tblTripsAndVMT	HaulingTripNumber	0.00	97.00
tblTripsAndVMT	HaulingTripNumber	10.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblWater	OutdoorWaterUseRate	0.00	20,075,000.00

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1128	27.2790	20.5542	0.0366	6.2416	1.7888	6.5817	3.3597	1.6616	4.1766	0.0000	3,562.3360	3,562.3360	0.8652	0.0000	3,583.9654
Maximum	3.1128	27.2790	20.5542	0.0366	6.2416	1.7888	6.5817	3.3597	1.6616	4.1766	0.0000	3,562.3360	3,562.3360	0.8652	0.0000	3,583.9654

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.1128	27.2790	20.5542	0.0366	6.2416	1.7888	6.5817	3.3597	1.6616	4.1766	0.0000	3,562.3360	3,562.3360	0.8652	0.0000	3,583.9654
Maximum	3.1128	27.2790	20.5542	0.0366	6.2416	1.7888	6.5817	3.3597	1.6616	4.1766	0.0000	3,562.3360	3,562.3360	0.8652	0.0000	3,583.9654

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	6.5293	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	6.5293	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	3/27/2020	5	40	removal of parking lot and trees
2	Site Preparation	Site Preparation	3/28/2020	5/8/2020	5	30	
3	Grading	Grading	5/9/2020	7/3/2020	5	40	
4	Paving	Paving	7/4/2020	8/14/2020	5	30	including striping/new configuration on Alameda and Los Angeles St

Acres of Grading (Site Preparation Phase): 1.72

Acres of Grading (Grading Phase): 1.72

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	6.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Graders	2	6.00	81	0.73
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	4.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	2.00	97.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4937	24.5653	19.5590	0.0319		1.3278	1.3278		1.2374	1.2374		3,072.4903	3,072.4903	0.8396		3,093.4795
Total	2.4937	24.5653	19.5590	0.0319		1.3278	1.3278		1.2374	1.2374		3,072.4903	3,072.4903	0.8396		3,093.4795

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0284	0.9345	0.2071	2.5700e-003	0.0568	2.9800e-003	0.0598	0.0156	2.8500e-003	0.0184		278.1453	278.1453	0.0189		278.6187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.1112	0.9934	0.9952	4.7000e-003	0.2580	4.6600e-003	0.2627	0.0689	4.4000e-003	0.0733		489.8457	489.8457	0.0256		490.4858

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4937	24.5653	19.5590	0.0319		1.3278	1.3278		1.2374	1.2374	0.0000	3,072.4903	3,072.4903	0.8396		3,093.4795
Total	2.4937	24.5653	19.5590	0.0319		1.3278	1.3278		1.2374	1.2374	0.0000	3,072.4903	3,072.4903	0.8396		3,093.4795

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0284	0.9345	0.2071	2.5700e-003	0.0568	2.9800e-003	0.0598	0.0156	2.8500e-003	0.0184		278.1453	278.1453	0.0189		278.6187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.1112	0.9934	0.9952	4.7000e-003	0.2580	4.6600e-003	0.2627	0.0689	4.4000e-003	0.0733		489.8457	489.8457	0.0256		490.4858

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0829	0.0000	6.0829	3.3168	0.0000	3.3168			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	6.0829	0.3353	6.4182	3.3168	0.3085	3.6253		943.4872	943.4872	0.3051		951.1158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0282	0.9297	0.2060	2.5500e-003	0.0565	2.9700e-003	0.0595	0.0155	2.8400e-003	0.0183		276.7190	276.7190	0.0188		277.1898
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	0.0722	1.1686	0.6120	4.0100e-003	0.1588	4.7200e-003	0.1635	0.0429	4.4900e-003	0.0474		426.2129	426.2129	0.0252		426.8425

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0829	0.0000	6.0829	3.3168	0.0000	3.3168			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	6.0829	0.3353	6.4182	3.3168	0.3085	3.6253	0.0000	943.4872	943.4872	0.3051		951.1158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0282	0.9297	0.2060	2.5500e-003	0.0565	2.9700e-003	0.0595	0.0155	2.8400e-003	0.0183		276.7190	276.7190	0.0188		277.1898
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	0.0722	1.1686	0.6120	4.0100e-003	0.1588	4.7200e-003	0.1635	0.0429	4.4900e-003	0.0474		426.2129	426.2129	0.0252		426.8425

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5622	0.0000	4.5622	2.4876	0.0000	2.4876			0.0000			0.0000
Off-Road	3.0689	27.0400	17.3403	0.0249		1.7871	1.7871		1.6599	1.6599		2,398.5140	2,398.5140	0.6216		2,414.0538
Total	3.0689	27.0400	17.3403	0.0249	4.5622	1.7871	6.3492	2.4876	1.6599	4.1475		2,398.5140	2,398.5140	0.6216		2,414.0538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	0.0439	0.2389	0.4060	1.4600e-003	0.1022	1.7500e-003	0.1040	0.0274	1.6500e-003	0.0290		149.4940	149.4940	6.3500e-003		149.6527

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.4 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5622	0.0000	4.5622	2.4876	0.0000	2.4876			0.0000			0.0000
Off-Road	3.0689	27.0400	17.3403	0.0249		1.7871	1.7871		1.6599	1.6599	0.0000	2,398.5140	2,398.5140	0.6216		2,414.0538
Total	3.0689	27.0400	17.3403	0.0249	4.5622	1.7871	6.3492	2.4876	1.6599	4.1475	0.0000	2,398.5140	2,398.5140	0.6216		2,414.0538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	0.0439	0.2389	0.4060	1.4600e-003	0.1022	1.7500e-003	0.1040	0.0274	1.6500e-003	0.0290		149.4940	149.4940	6.3500e-003		149.6527

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8515	8.6195	9.0354	0.0137		0.4825	0.4825		0.4445	0.4445		1,316.0754	1,316.0754	0.4201		1,326.5778
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8515	8.6195	9.0354	0.0137		0.4825	0.4825		0.4445	0.4445		1,316.0754	1,316.0754	0.4201		1,326.5778

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.7446	0.1951	1.8200e-003	0.0448	3.5000e-003	0.0483	0.0129	3.3500e-003	0.0163		193.9173	193.9173	0.0118		194.2131
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
Total	0.0847	0.7872	0.7643	3.3600e-003	0.1901	4.7100e-003	0.1948	0.0514	4.4700e-003	0.0559		346.8120	346.8120	0.0167		347.2283

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

3.5 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8515	8.6195	9.0354	0.0137		0.4825	0.4825		0.4445	0.4445	0.0000	1,316.0754	1,316.0754	0.4201		1,326.5778
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8515	8.6195	9.0354	0.0137		0.4825	0.4825		0.4445	0.4445	0.0000	1,316.0754	1,316.0754	0.4201		1,326.5778

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.7446	0.1951	1.8200e-003	0.0448	3.5000e-003	0.0483	0.0129	3.3500e-003	0.0163		193.9173	193.9173	0.0118		194.2131
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
Total	0.0847	0.7872	0.7643	3.3600e-003	0.1901	4.7100e-003	0.1948	0.0514	4.4700e-003	0.0559		346.8120	346.8120	0.0167		347.2283

4.0 Operational Detail - Mobile

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Recreational	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7423					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	6.5293	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Los Angeles Union Station Forecourt and Esplanade Improvements - Los Angeles-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Appendix C

Biological Resources Records Search Results

Appendix C: Records Search Results

**TABLE C-1
STATE AND FEDERALLY LISTED SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Plants					
Marsh sandwort	<i>Arenaria paludicola</i>	FE, SE, CRPR: 1B.1	Perennial stoloniferous herb; Freshwater marsh, marsh and swamp, wetland, sandy, openings; occurs 10–558 feet (ft) above mean sea level (MSL).	A	No marsh, swamp, wetland habitat, or other suitable habitat occurs within the project area.
Braunton's milk-vetch	<i>Astragalus brauntonii</i>	FE, CRPR: 1B.1	Perennial herb; Chaparral, closed-cone coniferous forest, coastal scrub, limestone, valley and foothill grassland; often in recent burned or disturbed areas; usually in sandstone soil with carbonate layers; occurs 13–2,100 ft above MSL.	A	No limestone soils, chaparral, forest, coastal scrub, grassland, or other suitable habitat occurs within the project area.
Ventura marsh milk-vetch	<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	FE, SE, CRPR: 1B.1	Perennial herb; Coastal dunes, coastal scrub, marshes and swamps (edges, coastal salt or brackish); occurs 3–115 ft above MSL.	A	No coastal dunes, coastal scrub, marshes, swamps, or other suitable habitat occurs within the project area.
Coastal dunes milk-vetch	<i>Astragalus tener</i> var. <i>titi</i>	FE, SE, CRPR: 1B.1	Annual herb; Coastal bluff scrub (sandy), coastal dunes, coastal prairie (mesic), often in vernal mesic areas; occurs 3–164 ft above MSL.	A	No coastal bluff scrub, coastal dunes, coastal prairie, or other suitable habitat occurs within the project area.
Nevin's barberry	<i>Berberis nevinii</i>	FE, SE, CRPR: 1B.1	Perennial evergreen shrub; Chaparral, cismontane woodland, coastal scrub, riparian scrub, in sandy or gravelly soils; occurs 899–2,707 ft above MSL.	A	No chaparral, woodland, scrub, or other suitable habitat occurs within the project area.
San Fernando Valley spineflower	<i>Chorizanthe parryi</i> var. <i>fernandina</i>	FC, SE, CRPR: 1B.1	Annual herb; Coastal scrub in sandy soil, valley and foothill grassland; occurs 492–4,003 ft above MSL.	A	No coastal scrub, grassland, or other suitable habitat occurs within the project area.
Slender-horned spineflower	<i>Dodecahema leptoceras</i>	FE, SE, CRPR: 1B.1	Annual herb; Chaparral, cismontane woodland, coastal scrub (alluvial fan); often in sandy soil; occurs 656–2,493 ft above MSL.	A	No chaparral, cismontane woodland, coastal scrub, or other suitable habitat occurs within the project area.
San Diego button-celery	<i>Eryngium aristulatum</i> var. <i>parishii</i>	FE, SE, CRPR: 1B.1	Annual/perennial herb; Coastal scrub, valley and foothill grassland, vernal pools, in mesic soils; occurs 66–2,034 ft above MSL.	A	No coastal scrub, grassland, vernal pool, or other suitable habitat occurs within the project area.
Gambel's water cress	<i>Nasturtium gambelii</i>	FE, ST, CRPR: 1B.1	Perennial rhizomatous herb; Brackish marsh, freshwater marsh, marsh and swamp, wetlands; occurs 16–1,083 ft above MSL.	A	No marsh, swamp, wetland habitat, or other suitable habitat occurs within the project area.
Spreading navarretia	<i>Navarretia fossalis</i>	FT, CRPR: 1B.1	Annual herb; Alkali playa, chenopod scrub, marsh and swamp, vernal pool, wetland; occurs 98–2,149 ft above MSL.	A	No alkali playa, chenopod scrub, marsh, swamp, wetland, vernal pool, or other suitable habitat occurs within the project area.
California Orcutt grass	<i>Orcuttia californica</i>	FE, SE, CRPR: 1B.1	Annual herb; Vernal pool, wetland; occurs 49–2,165 ft above MSL.	A	No vernal pools, wetlands, or other suitable habitat occurs within the project area.
Reptiles and Amphibians					
Southern mountain yellow-legged frog	<i>Rana muscosa</i>	FE, SE, SSC	Aquatic; eggs usually laid in shallow water attached to gravel or rocks; associated with streams lakes and ponds in montane riparian habitat. Occurs 1,220–7,560 ft above MSL.	A	No aquatic, stream, riparian, or other suitable habitat occurs within the project area.
Birds					
Tricolored blackbird	<i>Agelaius tricolor</i>	SC, SSC, BCC	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the colony.	A	No open water, protected nesting substrate, or other suitable habitat occurs within the project area.
Swainson's hawk	<i>Buteo swainsoni</i>	ST	Cropland/hedgerow, Desert, Grassland/herbaceous, Savanna, Woodland – Mixed, Riparian; Nests in trees, often within one mile of a riparian zone.	A	No cropland, desert, grassland, savanna, woodland, riparian, or other suitable habitat occurs within the project area.
Western yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>	FT, SE	Riparian forest; dense riparian understory important for nest site selection; cottonwood trees important foraging habitat; nests in dense trees, shrubs, vines.	A	No riparian forest or other suitable habitat occurs within the project area.
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	FE, SE	Riparian woodland; breeds in relatively dense riparian tree and shrub communities associated with rivers, swamps, and other wetlands including lakes and reservoirs; habitat patches must be at least 0.25 acres in size and at least 30 ft wide.	A	No riparian woodland or other suitable habitat occurs within the project area.

**TABLE C-1
STATE AND FEDERALLY LISTED SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Coastal California gnatcatcher	<i>Polioptila californica californica</i>	FT, SSC	Coastal bluff scrub, coastal scrub; dry coastal slopes, washes, and mesas; cone-shaped nests built in shrubs; areas of low plant growth (about 3 ft high); strongly associated with sage scrub; generally avoids crossing unsuitable habitat.	A	No coastal scrub or other suitable habitat occurs within the project area.
Bank swallow	<i>Riparia riparia</i>	ST	Riparian scrub, riparian woodland; nests in steep sand, dirt, or gravel banks, in burrows dug near the top of the bank, along the edge of inland water, along coast, in gravel pits, or road embankments; diet primarily flying insects.	A	No riparian or other suitable habitat occurs within the project area.
Least Bell's vireo	<i>Vireo bellii pusillus</i>	FE, SE	Riparian forest, riparian scrub, riparian woodland, scrub with thick understory, esp. with some standing water; normal occurrence in the area only during the breeding season or migration; may forage outside of riparian habitats; dense riparian understory shrubbery required for nesting; nests usually 3 ft above ground.	A	No riparian forest, riparian woodland, riparian scrub, or other suitable habitat occurs within the project area.

KEY:

FE = Federally Endangered; FT = Federally Threatened; FC = Federal Candidate Species; SE = State Endangered; ST = State Threatened; SC = State Candidate Species; SSC = CDFW Species of Special Concern; BCC = USFWS Bird of Conservation Concern; Absent (A) = no habitat present and no further work needed; Habitat Present (HP) = habitat is, or may be present, and the species may be present; ft = feet; MSL = mean sea level.

CRPR Rankings:

List 1B: Rare, threatened, or endangered in California and elsewhere. 0.1: Seriously threatened in California.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Plants					
Parish's oxytheca	<i>Acanthoscyphus parishii</i> var. <i>parishii</i>	CRPR: 4.2	Annual herb; chaparral, lower montane coniferous forest; sandy or gravelly soils; occurs 4,002-8,350 feet (ft) above mean sea level (MSL).	A	No chaparral, woodland, forest, meadow, grassland, or other suitable habitat occurs within the project area.
San Gabriel manzanita	<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i>	CRPR: 1B.2	Perennial evergreen shrub; Chaparral, rocky; occurs 1,952-4,921 ft above MSL.	A	No chaparral or other suitable habitat occurs within the project area.
Western spleenwort	<i>Asplenium vespertinum</i>	CRPR: 4.2	Perennial rhizomatous herb; chaparral, cismontane woodland, coastal scrub; occurs 591-3,280 ft above MSL.	A	No chaparral, woodland, scrub, or other suitable habitat occurs within the project area.
Coulter's saltbush	<i>Atriplex coulteri</i>	CRPR: 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; alkaline or clay soils; occurs between 10-1,509 ft above MSL.	A	No coastal scrub, coastal dunes, grassland, or other suitable habitat occurs within the project area.
Parish's brittlescale	<i>Atriplex parishii</i>	CRPR: 1B.1	Annual herb; Alkali playa, chenopod scrub, meadow and seep, vernal pool, wetland; occurs 82-6,234 ft above MSL.	A	No playa, scrub, meadow, vernal pool, wetland, or other suitable habitat occurs within the project area.
Davidson's saltscale	<i>Atriplex serenana</i> var. <i>davidsonii</i>	CRPR: 1B.2	Annual herb; Coastal bluff scrub, coastal scrub, alkaline; occurs 33-656 ft above MSL.	A	No coastal bluff scrub, coastal scrub, or other suitable habitat occurs within the project area.
Round-leaved filaree	<i>California macrophylla</i>	CRPR: 1B.1	Annual herb; Cismontane woodland, valley and foothill grassland; clay soils; occurs 49-3,937 ft above MSL.	A	No cismontane woodland, grassland, or other suitable habitat occurs within the project area.
Catalina mariposa lily	<i>Calochortus catalinae</i>	CRPR: 4.2	Perennial bulbiferous herb; chaparral, cismontane woodland, coastal scrub, valley and foothill grassland; occurs 49-2,297 ft above MSL.	A	No chaparral, woodland, scrub, grassland, or other suitable habitat occurs within the project area.
Slender mariposa-lily	<i>Calochortus clavatus</i> var. <i>gracilis</i>	CRPR: 1B.2	Perennial bulbiferous herb; Chaparral, coastal scrub, valley and foothill grassland; occurs 1,050-3,281 ft above MSL.	A	No coastal scrub, chaparral, grassland, or other suitable habitat occurs within the project area.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Plummer's mariposa-lily	<i>Calochortus plummerae</i>	CRPR: 4.2	Perennial bulbiferous herb; Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, valley and foothill grassland, in granitic rocky soil; occurs 328–5,577 ft above MSL.	A	No chaparral, woodland, scrub, forest, grassland, or other suitable habitat occurs within the project area.
Intermediate mariposa-lily	<i>Calochortus weedii</i> var. <i>intermedius</i>	CRPR: 1B.2	Perennial bulbiferous herb; Chaparral, coastal scrub, valley and foothill grassland, rocky, calcareous; occurs 344–2,805 ft above MSL.	A	No chaparral, scrub, grassland, or other suitable habitat occurs within the project area.
Lucky morning-glory	<i>Calystegia felix</i>	CRPR: 3.1	Annual rhizomatous herb; meadows and seeps (sometimes alkaline), riparian scrub (alluvial), historically associated with wetland and marshy places, but possibly in drier situations as well. Possibly silty loam and alkaline; occurs 98 – 705 ft above MSL.	A	No meadow, riparian scrub, or other suitable habitat occurs within the project area.
Lewis' evening-primrose	<i>Camissoniopsis lewisii</i>	CRPR: 3	Annual herb; coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, valley and foothill grassland, sandy or clay soils; occurs 0-974 ft above MSL.	A	No coastal bluff scrub, woodland, dunes, grassland, or other suitable habitat occurs within the project area.
Southern tarplant	<i>Centromadia parryi</i> ssp. <i>australis</i>	CRPR: 1B.1	Annual herb; Marsh and swamp, salt marsh, valley and foothill grassland, wetland, vernal pools; occurs 0–1,394 ft above MSL.	A	No swamp, salt marsh, grassland, wetland, vernal pool, or other suitable habitat occurs within the project area.
Smooth tarplant	<i>Centromadia pungens</i> ssp. <i>laevis</i>	CRPR: 1B.1	Open, poorly drained flats, depressions, waterway banks and beds, grassland, disturbed sites; occurs 295–1,640 ft above MSL.	A	No open flats, depressions, waterway banks, grasslands, or other suitable habitat occurs within the project area.
Parry's spineflower	<i>Chorizanthe parryi</i> var. <i>parryi</i>	CRPR: 1B.1	Annual herb; Sandy or rocky openings, chaparral, cismontane woodland, coastal scrub, valley and foothill grassland; occurs 902–4,003 ft above MSL.	A	No chaparral, woodland, scrub, grassland, or other suitable habitat occurs within the project area.
California saw-grass	<i>Cladium californicum</i>	CRPR: 2B.2	Perennial rhizomatous herb; Alkali marsh, freshwater marsh, meadow and seep, wetland; occurs 197–2,838 ft in elevation.	A	No marsh, meadow, wetland, or other suitable habitat occurs within the project area.
Monkey-flower savory	<i>Clinopodium mimuloides</i>	CRPR: 4.2	Perennial herb; Chaparral, north coast coniferous forest, streambanks in mesic soils; occurs 1,000–5,906 ft above MSL.	A	No chaparral, forest, streambank, or other suitable habitat occurs within the project area.
Small-flowered morning-glory	<i>Convolvulus simulans</i>	CRPR: 4.2	Annual herb; chaparral (openings), coastal scrub, valley and foothill grassland; clay soils, serpentinite seeps; occurs 98-2,297 ft above MSL.	A	No chaparral, coastal scrub, grassland, or other suitable habitat occurs within the project area.
Peruvian dodder	<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	CRPR: 2.2	Annual parasitic vine; Freshwater marsh and swamp, wetland; occurs 49–919 ft above MSL.	A	No marsh, swamp, wetland, or other suitable habitat occurs within the project area.
Johnston's monkeyflower	<i>Mimulus johnstonii</i>	CRPR: 4.3	Annual herb; lower montane coniferous forest (scree, disturbed areas, rocky or gravelly, roadside); occurs 3,199-9,580 ft above MSL.	A	No forest or other suitable habitat occurs within the project area.
Many-stemmed dudleya	<i>Dudleya multicaulis</i>	CRPR: 1B.2	Perennial herb; Chaparral, coastal scrub, valley and foothill grassland, often clay; occurs 164–2,592 ft above MSL.	A	No chaparral, coastal scrub, grassland, or other suitable habitat occurs within the project area.
San Antonio Canyon bedstraw	<i>Galium angustifolium</i> ssp. <i>gabrielense</i>	CRPR: 4.3	Perennial herb; chaparral, lower montane coniferous forest, granitic, sandy, or rocky soils; occurs 3,937-8,694 ft above MSL.	A	No chaparral, forest, or other suitable habitat occurs within the project area.
San Gabriel bedstraw	<i>Galium grande</i>	CRPR: 1B.2	Perennial deciduous shrub; Broadleaved upland forest, chaparral, cismontane woodland, lower montane coniferous forest; occurs 1,394–4,921 ft above MSL.	A	No forest, chaparral, woodland, or other suitable habitat occurs within the project area.
Johnston's bedstraw	<i>Galium johnstonii</i>	CRPR: 4.3	Perennial herb; chaparral, lower montane coniferous forest, pinyon and juniper woodland, riparian woodland; occurs 4,003-7,546 ft above MSL.	A	No chaparral, forest, woodland, or other suitable habitat occurs within the project area.
Los Angeles sunflower	<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	CRPR: 1A	Perennial rhizomatous herb; Freshwater marsh, marsh and swamp, salt marsh, wetlands; occurs 33–5,495 ft above MSL.	A	No marsh, swamp, wetlands, or other suitable habitat occurs within the project area.
Urn-flowered alumroot	<i>Heuchera caespitosa</i>	CRPR: 4.3	Perennial rhizomatous herb; cismontane woodland, lower montane coniferous forest, riparian forest (montane), upper montane coniferous forest; rocky soils; occurs 3,789-8,694 ft above MSL.	A	No woodland, forest, or other suitable habitat occurs within the project area.
Vernal barley	<i>Hordeum intercedens</i>	CRPR: 3.2	Annual herb; coastal dunes, coastal scrub, valley and foothill grasslands, vernal pools; occurs 16-3,280 ft above MSL.	A	No coastal dunes, scrub, grassland, vernal pools, or other suitable habitat occurs within the project area.
Mesa horkelia	<i>Horkelia cuneata</i> var. <i>puberula</i>	CRPR: 1B.1	Perennial herb; Chaparral, cismontane woodland, coastal shrub; occurs 230–2,657 ft above MSL.	A	No chaparral, cismontane woodland, coastal scrub, or other suitable habitat occurs within the project area.
Southern California black walnut	<i>Juglans californica</i> var. <i>californica</i>	CRPR: 4.2	Perennial deciduous tree; Chaparral, cismontane woodland, coastal scrub; alluvial soils; occurs 164–2,953 ft above MSL.	A	No chaparral, woodland, scrub, or other suitable habitat occurs within the project area.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Coulter's goldfields	<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	CRPR: 1B.1	Annual herb; Alkali playa, marsh and swamp, salt marsh, valley and foothill grassland, vernal pool, wetland; occurs 3–4,003 ft above MSL.	A	No playa, marsh, swamp, grassland, vernal pool, wetland, or other suitable habitat occurs within the project area.
Fragrant pitcher sage	<i>Lepechinia fragrans</i>	CRPR: 4.2	Perennial shrub; Chaparral; occurs 66–4,298 ft above MSL.	A	No chaparral, forest, woodland, or other suitable habitat occurs within the project area.
Robinson's pepper-grass	<i>Lepidium virginicum</i> var. <i>robinsonii</i>	CRPR: 4.3	Annual herb; Chaparral, coastal scrub; occurs 3–2,904 ft above MSL.	A	No chaparral, coastal scrub, or other suitable habitat occurs within the project area.
Ocellated Humboldt lily	<i>Lilium humboldtii</i> ssp. <i>ocellatum</i>	CRPR: 4.2	Perennial bulbiferous herb; chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, openings; occurs 98–5,906 ft above MSL.	A	No chaparral, woodland, scrub, forest, or other suitable habitat occurs within the project area.
San Gabriel linanthus	<i>Linanthus concinnus</i>	CRPR: 1B.2	Annual herb; Lower montane coniferous forest, upper montane coniferous forest, chaparral, rocky openings; 4,987–9,186 ft above MSL.	A	No forest, chaparral, or other suitable habitat occurs within the project area.
Orcutt's linanthus	<i>Linanthus orcuttii</i>	CRPR: 1B.3	Annual herb; Chaparral, lower montane coniferous forest, pinyon and juniper woodland; occurs 3,000–7,037 ft above MSL.	A	No chaparral, forest, woodland, or other suitable habitat occurs within the project area.
Davidson's bush-mallow	<i>Malacothamnus davidsonii</i>	CRPR: 1B.2	Perennial deciduous shrub; Chaparral, cismontane woodland, coastal scrub, riparian woodland; occurs 607–2,805 ft above MSL.	A	No chaparral, woodland, scrub, riparian, or other suitable habitat occurs within the project area.
California muhly	<i>Muhlenbergia californica</i>	CRPR: 4.3	Perennial rhizomatous herb; Chaparral, coastal scrub, lower montane coniferous forest, meadow and seep, in mesic soils along seeps and streambanks; wetlands; occurs 328–6,562 feet (ft) above mean sea level (MSL).	A	No chaparral, scrub, forest, meadow, or other suitable habitat occurs within the project area.
Prostrate vernal pool navarretia	<i>Navarretia prostrata</i>	CRPR: 1B.1	Annual herb; Mesic, coastal scrub, meadows and seeps, valley and foothill grassland (alkaline), vernal pool, wetland; occurs 49–3,970 ft above MSL.	A	No coastal scrub, meadows, grassland, vernal pool, wetland, or other suitable habitat occurs within the project area.
Hubby's phacelia	<i>Phacelia hubbyi</i>	CRPR: 4.2	Annual herb; chaparral, coastal scrub, valley and foothill grassland, in gravelly, rocky, talus soils; occurs 0–3,280 ft above MSL.	A	No chaparral, scrub, grassland, or other suitable habitat occurs within the project area.
White rabbit-tobacco	<i>Pseudognaphalium leucocephalum</i>	CRPR: 2B.2	Perennial herb; Chaparral, cismontane woodland, coastal scrub, riparian woodland, in sandy/gravelly soil; occurs 0–6,890 ft above MSL.	A	No chaparral, woodland, scrub, or other suitable habitat occurs within the project area.
San Gabriel oak	<i>Quercus durata</i> var. <i>gabrielensis</i>	CRPR: 4.2	Perennial evergreen shrub; chaparral, cismontane woodland; occurs 1,476–3,280 ft above MSL.	A	No chaparral, woodland, or other suitable habitat occurs within the project area.
Engelmann oak	<i>Quercus engelmannii</i>	CRPR: 4.2	Perennial deciduous tree; Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland; occurs 164–4,265 ft above MSL.	A	No chaparral, woodland, riparian, grassland, or other suitable habitat occurs within the project area.
Parish's rupertia	<i>Rupertia rigida</i>	CRPR: 4.3	Perennial herb; chaparral, cismontane woodland, lower montane coniferous forest, meadows and seeps, pebble (pavement) plain, valley and foothill grassland; occurs 2,297–8,202 ft above MSL.	A	No chaparral, woodland, forest, meadow, grassland, or other suitable habitat occurs within the project area.
Southern mountains skullcap	<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	CRPR: 1B.2	Perennial rhizomatous herb; Chaparral, cismontane woodland, lower montane coniferous forest, mesic; occurs 1,394–6,561 ft above MSL.	A	No chaparral, woodland, forest, or other suitable habitat occurs within the project area.
San Gabriel ragwort	<i>Senecio astephanus</i>	CRPR: 4.3	Perennial herb; coastal bluff scrub, chaparral, rocky slopes; occurs 1,312–4,921 ft above MSL.	A	No coastal scrub, chaparral, or other suitable habitat occurs within the project area.
Western bristly scaleseed	<i>Spermolepis lateriflora</i>	CRPR: 2A	Annual herb; Sonoran desert scrub, rocky or sandy soils; occurs 1,197–2,198 m above MSL.	A	No Sonoran desert scrub or other suitable habitat occurs within the project area.
San Bernardino aster	<i>Symphyotrichum defoliatum</i>	CRPR: 1B.2	Perennial rhizomatous herb; Cismontane woodland, coastal scrub, lower montane coniferous forest, marsh and swamp, meadow and seep, valley and foothill grassland, wetland, near ditches, streams, springs; occurs 7–6,693 ft above MSL.	A	No woodland, scrub, forest, marsh, swamp, meadow, grassland, wetland, or other suitable habitat occurs within the project area.
Greata's aster	<i>Symphyotrichum greatae</i>	CRPR: 1B.3	Rhizomatous herb; Occurs in chaparral, broadleaf upland forest, cismontane woodland, lower montane coniferous forest, and riparian woodland on mesic soils; occurs 985–6,595 ft above MSL.	A	No chaparral, forest, woodland, or other suitable habitat occurs within the project area.
Sonoran maiden fern	<i>Thelypteris puberula</i> var. <i>sonorensis</i>	CRPR: 2.2	Perennial rhizomatous herb; Meadow and seep, streams, wetland; occurs 164–2,001 ft above MSL.	A	No meadow, stream, wetland, or other suitable habitat occurs within the project area.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Reptiles and Amphibians					
Silvery legless lizard	<i>Anniella pulchra pulchra</i>	SSC	Chaparral, coastal dunes, coastal scrub; burrows in loose soil, especially in semi-stabilized sand dunes and also in other areas with sandy soil, in areas vegetated with oak or pine-oak woodland, or chaparral; also wooded stream edges, and occasionally desert-scrub; bush lupine often is an indicator of suitable conditions; often found in leaf litter, under rocks, logs, and driftwood.	A	No coastal dunes, scrub, woodland, chaparral, or other suitable habitat occurs within the project area.
Coastal whiptail	<i>Aspidoscelis tigris stejnegeri</i>	CSA	Occurs in habitats that are primarily hot and dry open areas with sparse foliage. Found in chaparral, woodland, and riparian areas.	A	No chaparral, woodland, riparian, or other suitable habitat occurs within the project area.
Western pond turtle	<i>Emys marmorata</i>	SSC	Aquatic, artificial flowing waters, marsh and swamp, south coast flowing waters, south coast standing waters, wetland; habitat includes permanent and intermittent waters of rivers, creeks, small lakes and ponds, man-made stock ponds and sewage-treatment ponds; nesting sites on sandy banks and bars, in fields, or sunny spots up to a few hundred feet from water.	A	No aquatic, wetland, pond, river, or other suitable habitat occurs within the project area.
Coast horned lizard	<i>Phrynosoma blainvillii</i>	SSC	Found in a variety of vegetation types, including coastal scrub, coastal bluff scrub, valley and foothill grassland, chaparral, cismontane woodland, pinyon and juniper woodlands, riparian scrub, riparian woodland and desert wash; in inland areas, this species is restricted to areas with pockets of open microhabitat, created by disturbance.	A	No scrub, grassland, chaparral, woodland, riparian, desert wash, or other suitable habitat occurs within the project area.
Western spadefoot	<i>Spea hammondi</i>	SSC	Cismontane woodland, coastal scrub, valley and foothill grassland, vernal pool, wetland; benthic, burrowing in or using soil; it prefers shortgrass plains, sandy or gravelly soil (e.g., alkali flats, washes, alluvial fans). It is fossorial and breeds in temporary rain pools and slow-moving streams.	A	No woodland, scrub, grassland, wetland, vernal pool, or other suitable habitat occurs within the project area.
Coast Range newt	<i>Taricha torosa</i>	SSC	Valley-foothill hardwood, valley-foothill conifer, coastal scrub, mixed chaparral; breeding occurs in ponds, reservoirs, and streams; eggs are attached to sticks, stones, or vegetation in flowing or non-flowing water; fast-moving streams and rivers are used more often in Southern California mountains than elsewhere in the range; benthic, burrowing in or using soil, fallen log/debris; creek, medium river, pool, riffle.	A	No forest, scrub, chaparral, natural water, or other suitable habitat occurs within the project area.
Two-striped garter snake	<i>Thamnophis hammondi</i>	SSC	Marsh and swamp, riparian scrub, riparian woodland, wetland; generally found in or near permanent fresh water, often along streams with rocky beds bordered by willows and other riparian vegetation, including mountain slopes and desert oases; requires dense riparian vegetation; burrowing in or using soil.	A	No marsh, swamp, riparian, wetland, or other suitable habitat occurs within the project area.
Birds					
Burrowing owl	<i>Athene cunicularia</i>	SSC	Found in open grasslands, agricultural and range lands, and desert habitats and often are associated with burrowing animals, specifically the California ground squirrel; can also inhabit grass, forbs, and shrub stages of pinyon and ponderosa pine habitats.	A	No grassland, range land, desert, or other suitable habitat occurs within the project area.
Black swift	<i>Cypseloides niger</i>	SSC	Coastal bluffs, canyons with waterfalls; aerial; forages over forests and in open areas; may forage far from nesting sites; nests behind or next to waterfalls and wet cliffs, on sea cliffs and in sea caves, and occasionally in limestone caves; nests in dark inaccessible sites with unobstructed flight path; nest is a cup-like structure of mud, mosses and algae.	A	No coastal bluffs, canyons, forests, waterfalls, or other suitable habitat occurs within the project area.
American peregrine falcon	<i>Falco peregrinus anatum</i>	FP; Federaly and State Delisted	Terrestrial: Bare rock/talus/scree, cliff, shrubland/chaparral, urban/edificarian, woodland - conifer, woodland - hardwood, woodland - mixed; Estuarine: bay/sound, herbaceous wetland, lagoon, river mouth/tidal river, tidal flat/shore.	HP	Tall buildings within the project area contain ledges suitable for perching and artificial nesting sites. The project area contains typical urban prey species such as rock pigeon (<i>Columba livia</i>). Species was not observed during site visit. No known nests for this species are present within 500-ft of the project study area.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Mammals					
Pallid bat	<i>Antrozous pallidus</i>	SSC	Occurs throughout the American west; chaparral, coastal scrub, desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, riparian woodland, Sonoran desert scrub, upper montane coniferous forest, valley and foothill grassland; roosts in rock crevices, caves, mineshafts, under bridges, in buildings, and within hollow trees; consumes insects and other invertebrates; roosts in small colonies of 10 to 100 and emerges late at night to forage on the ground; forms nursery colonies, and gives birth usually in June	A	No suitable foraging or roosting habitat occurs within the project area.
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>	SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting.	A	No suitable foraging or roosting habitat occurs within the project area.
Western mastiff bat	<i>Eumops perotis californicus</i>	SSC	Found in the southwestern United States, generally away from human development; this species can utilize a variety of habitat types including chaparral, oak woodland, pine forests, agricultural areas and desert washes; roosts primarily in vertical rock crevices on cliffs; common in open habitats when foraging.	A	No suitable foraging or roosting habitat occurs within the project area.
Silver-haired bat	<i>Lasionycteris noctivagans</i>	CSA	Primarily forested areas adjacent to lakes, ponds, or streams, including areas that have been altered by humans. Summer roosts and nursery sites are in tree foliage, cavities, or under loose bark, sometimes in buildings.	A	No suitable foraging or roosting habitat occurs within the project area.
Western red bat	<i>Lasiurus blossevillii</i>	SSC	Cismontane woodland, lower montane coniferous forest, riparian forest and woodland. Roosts primarily in trees, 2-40 ft. above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	A	No suitable foraging or roosting habitat occurs within the project area.
Hoary bat	<i>Lasiurus cinereus</i>	CSA	Forages over a wide range of habitats, but prefers open habitats with access to trees for roosting, and water. Primarily roosts in trees and foliage. Ranges throughout most of California.	A	No suitable foraging or roosting habitat occurs within the project area.
Western yellow bat	<i>Lasiurus xanthinus</i>	SSC	Valley-foothill riparian, desert riparian, desert wash, palm oasis; preferentially roosts in trees, generally palms in the southern U.S.	A	No suitable foraging or roosting habitat occurs within the project area.
South coast marsh vole	<i>Microtus californicus stephensi</i>	SSC	Riparian, annual grassland, wet meadow; occupies underground burrows and surface runways through grass. The south coast marsh vole occurs in a narrow band of wetland communities and associated grasslands in the immediate coastal zone from southern Ventura County to northern Orange County.	A	No riparian, grassland, meadow, or other suitable habitat occurs within the project area.
San Diego desert woodrat	<i>Neotoma lepida intermedia</i>	SSC	Coastal scrub; sagebrush scrub; chaparral; often associated with large cactus patches; also found in rocky outcroppings and boulder hillsides within chaparral and oak woodland habitats.	A	No coastal scrub, sagebrush scrub, chaparral, woodland, or other suitable habitat occurs within the project area.
Pocketed free-tailed bat	<i>Nyctinomops femorosaccus</i>	SSC	Pinyon-Juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, palm oasis; usually associated with rugged canyons, high cliffs, and rock outcroppings; roosts in rock crevices and caves during the day; may also roost in buildings or under roof tiles.	A	No suitable foraging or roosting habitat occurs within the project area.
Big free-tailed bat	<i>Nyctinomops macrotis</i>	SSC	Rocky terrain; bare rock/talus/scree, cliff, desert, woodland - hardwood; roosts in rock crevices (vertical or horizontal) in cliffs; also in buildings, caves, and occasionally tree holes.	A	No suitable foraging or roosting habitat occurs within the project area.

**TABLE C-2
OTHER SENSITIVE AND LOCALLY IMPORTANT SPECIES WITH HISTORICAL OCCURRENCES IN THE REGION**

Common Name	Scientific Name	Status	General Habitat Description	Presence/Absence	Rationale
Southern grasshopper mouse	<i>Onychomys torridus ramona</i>	SSC	Chenopod scrub; consumes soft-bodied insects including cutworms and grasshoppers; lives in arid habitats but requires no open water sources; the species forages under and within shrubs and crosses open areas.	A	No chenopod scrub or other suitable habitat occurs within the project area.
American badger	<i>Taxidea taxus</i>	SSC	Found in arid, open habitats, particularly grasslands, savannahs, mountain meadows, and desert scrub openings; needs friable soils for digging and open, uncultivated ground; occurs at low to moderate slopes; has been associated with Joshua tree woodland and pinyon-juniper habitats.	A	No grassland, savannah, meadow, desert scrub, or other suitable habitat occurs within the project area.

KEY:

FE = Federally Endangered; FT = Federally Threatened; FC = Federal Candidate Species; SE = State Endangered; ST = State Threatened; SC = State Candidate Species; SSC = CDFW Species of Special Concern; BCC = USFWS Bird of Conservation Concern; Absent (A) = no habitat present and no further work needed; Habitat Present (HP) = habitat is, or may be present, and the species may be present; ft = feet; MSL = mean sea level.

CRPR Rankings:

- List 1A: Presumed extinct in California
- List 1B: Rare, threatened, or endangered in California and elsewhere. 0.1: Seriously threatened in California.
- List 1B: Rare, threatened, or endangered in California and elsewhere. 0.2: Fairly threatened in California.
- List 1B: Rare, threatened, or endangered in California and elsewhere. 0.3: Not very threatened in California.
- List 2: Rare, threatened, or endangered in California, but more common elsewhere. 0.1: Seriously threatened in California.
- List 2: Rare, threatened, or endangered in California, but more common elsewhere. 0.2: Fairly threatened in California.
- List 4: Limited distribution (Watch List). 0.2: Fairly endangered in California.
- List 4: Limited distribution (Watch List). 0.3: Not very threatened in California.

Appendix D

Cultural Resources Technical Report

LOS ANGELES UNION STATION
FORECOURT AND ESPLANADE IMPROVEMENTS PROJECT
CULTURAL RESOURCES TECHNICAL REPORT

PREPARED FOR:

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

PREPARED BY:

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AUGUST 2, 2017

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SECTION ES

EXECUTIVE SUMMARY

The Los Angeles County Metropolitan Transportation Authority (Metro) is proposing to construct a forecourt and esplanade at Los Angeles Union Station Passenger Terminal, improvements to Alameda Street, partially close Los Angeles Street, and create a bus staging area on Arcadia Street. The Los Angeles Union Station Forecourt and Esplanade Improvements Project (project) is proposed by Metro but includes City of Los Angeles (City) property. The project is located within or adjacent to an area that has been designated as a Historical-Cultural Monument by the City. The project also includes lands that are within the Alameda District Specific Plan that were privately owned prior to Metro acquisition. The purpose and scope of the current investigation is to provide Metro with a cultural resources assessment for the project such that construction, operation, and maintenance may be undertaken in a manner that avoids known or observed cultural resources afforded consideration pursuant to the National Environmental Policy Act, the National Historic Preservation Act, and the California Environmental Quality Act, to the maximum extent feasible and practicable. Where it is infeasible to avoid impacts, the consideration of mitigation measures and alternative would be required. The project is composed of four primary elements, located entirely on 6.71 acres of land owned by either Metro or the City:

- Alameda Street reconfiguration (this element has received federal funds)
- Los Angeles Street partial closure (this element has received federal funds)
- Union Station Forecourt improvements (this element will not include federal funds)
- Arcadia Street roadway repurposing (this element will not include federal funds)

Archeological and Historical Resources

The consideration of potential impacts was based on a literature search and archival records review, scoping with responsible and trustee agencies, coordination with other nearby projects, public outreach and consultation with local Native American Tribal contacts identified by the Native American Heritage Commission, and a Phase I Walkover Survey.

Eight historic or archeological resource were identified within or adjacent to the project study area. One is a multicomponent historic and prehistoric site, four are historic sites, one is a historic district, and two are historic built resources. These resources include Union Station, El Pueblo de Los Angeles State Historic Park, Old Chinatown, and a Native American burial site. There were no archaeological resources observed within the proposed project sites as a result of the field investigation. There is a high probability to encounter archaeological resources based on the inherent characteristics and location of the project sites.

Paleontological Resources

A record search request was submitted on April 14, 2016, to the Vertebrate Paleontology section of the Natural History Museum of Los Angeles County to perform a paleontological collections record search to locate fossil localities within one-quarter mile of the project site. The record search revealed that there are no previously recorded vertebrate fossil localities that lie directly within the project study area. However, the record search revealed documentation of vertebrate localities, the comparable sedimentary units at nearby locations, indicating the potential for such resources to be encountered during excavations in underlying formations.

Cemeteries and Human Remains

There were no formal cemeteries or burial sites observed at grade as a result of the field investigation. However, a Native American burial site is known to exist within the general area of the project site due to previous excavation activities conducted for Mozaic and the Metropolitan Water District headquarters building. The historic La Plaza cemetery is located 300 feet to the west of the project boundary. There is a moderate probability to encounter human remains based on the inherent characteristics and location of the project sites.

Tribal Cultural Resources

As a result of the request for review of the Sacred Lands File with the Native American Heritage Commission, outreach to Native American Most Likely Descendants identified by the Native American Heritage Commission, and a pedestrian survey, it has been determined that there are tribal cultural resources known or observed within one-quarter mile of the project site. There is a moderate probability to encounter tribal cultural resources based on the inherent characteristics and location of the project site.

Recommendations

It would not be feasible to avoid impacts to cultural resources due to presence of previously recorded archaeological resources within the project site. There are no other open space areas available in close proximity to Union Station, and depth of excavation for trees and water treatment cells would likely affect in situ archaeological deposits. The implementation of mitigation measures MM-CULTURAL-1, MM-CULTURAL-2, MM-CULTURAL-3, and MM-CULTURAL-4 would reduce impacts to below the level of significance.

SECTION 1.0 INTRODUCTION

This Cultural Resources Technical Report (Report) was prepared to characterize the existing conditions related to cultural resources, as defined by Appendix G of the State California Environmental Quality Act Guidelines (State CEQA Guidelines), and the potential for direct, indirect and cumulative impacts to those resources as a result of construction operation and maintenance of the Los Angeles Union Station Forecourt and Esplanade Improvements Project (project).

1.1 GOAL OF THE CULTURAL RESOURCES TECHNICAL REPORT

The cultural resources investigation of the project site was undertaken on behalf of the Los Angeles County Metropolitan Transportation Authority (Metro). This Report was prepared to characterize the cultural resources that would potentially be affected by the project. As such, the Report presents data and information to be used by Metro in making a determination of effects to cultural resources resulting from the project. This Report will provide the necessary cultural resource information for environmental documentation under the National Environmental Policy Act (NEPA), National Historic Preservation Act (NHPA), and California Environmental Quality Act (CEQA).

1.2 METHODS

This Report was prepared by Sapphos Environmental, Inc., led by two principal investigators:

- Dr. Dustin Keeler supervised all fieldwork and completed sections of the Report. Dr. Keeler meets the Secretary of the Interior's Professional Qualification Standards for archaeology (Appendix A, *Personnel Resumes*).
- Ms. Carrie Chasteen, Architectural Historian, reviewed the historic data and completed sections of the Report. Ms. Chasteen meets the Secretary of the Interior's Professional Qualification Standards for History and Architectural History (Appendix A).

The characterization of existing resources and consideration of potential impacts was based on a literature search and archival records review, scoping with responsible and trustee agencies, coordination with other nearby projects, public outreach, and consultation with Most Likely Descendants identified by the Native American Heritage Commission, and a Phase I Walkover Survey.

1.3 SCOPE OF INVESTIGATION

The investigation covers the areas required by CEQA including Historic Resources, Archaeological Resources, Paleontological Resources, Human Remains, and Tribal Resources. Databases were reviewed for the 6.71-acre project site and a one-quarter-mile buffer.

1.4 RELATIONSHIP TO OTHER STUDIES

Previous environmental impact reports (EIRs) and environmental impact statements (EISs) have been prepared that covered the project area, including for Survey LA and the LA Union Station Link US project, formerly known as the Run-Through Tracks project. During the preparation of the

Los Angeles Union Station (LAUS) Master Plan, extensive historical research was completed and documented. This previous work has been reviewed and considered in this evaluation.

There are two other environmental evaluations that are underway concurrently with this investigation. Coordination was undertaken with those project teams to ensure that all available information was considered and disclosed: High Speed Rail (HSR) and Link US.

1.5 DEFINITIONS

Alluvium is an unconsolidated accumulation of stream-deposited sediments, including sands, silts, clays or gravels.

Archaeological site is defined by the National Register of Historic Places (NRHP) as the place or places where the remnants of a past culture survive in a physical context that allows for the interpretation of these remains. Archaeological remains usually take the form of artifacts (e.g., fragments of tools, vestiges of utilitarian, or non-utilitarian objects), features (e.g., remnants of walls, cooking hearths, or midden deposits), and ecological evidence (e.g., pollen remaining from plants that were in the area when the activities occurred). These can include prehistoric (pre-European contact), historic (post-contact), or combination thereof.

B.P. stands for “before present,” which is defined as before 1950 and is used by archaeologists in conjunction with the commonly used term, AD.

Cretaceous is defined as an interval of time relating to, or denoting the last period of the Mesozoic era, between the Jurassic and Tertiary periods.

Formation is defined as a laterally continuous rock unit with a distinctive set of characteristics that make it possible to recognize and map from one outcrop or well to another. The basic rock unit of stratigraphy.

Holocene is defined as an interval of time relating to, or denoting the present epoch, which is the second epoch in the Quaternary period, including the time period from approximately 11,000 years ago to the present.

Historic period is defined as the period that begins with the arrival of the first nonnative population and thus varies by area. In 1769, Gaspar de Portolá became the first European to enter the San Fernando Valley, initiating the historic period in the region.

Historical resource is defined by CEQA as any object, building, structure, site (including archaeological sites), area, place, record, or manuscript that is listed in, or is eligible for listing in, the California Register of Historical Resources (CRHR); officially designated or recognized as historically significant by a local government pursuant to a local initiative or resolution; or identified as significant in a historic resource survey conducted in accordance with the requirements of the CRHR statute (Public Resources Code Section 5024.1(g)). Properties listed in, or determined eligible for listing in, the NRHP are automatically listed in the CRHR and are therefore historical resources under CEQA.

Isolate is defined as an isolated artifact or small group of artifacts that appear to reflect a single event, loci, or activity. It may lack identifiable context but has the potential to add important information about a region, culture, or person. Isolates are not considered under CEQA to be

significant and, thus, do not require avoidance or mitigation under CEQA. All isolates located during a field effort, however, are recorded, and the data are transmitted to the appropriate CHRIS Information Center.

Miocene is defined as an interval of time relating to or denoting the fourth epoch of the Tertiary period, between the Oligocene and Pliocene epochs, from approximately 23 to 5.5 million years ago.

Native American sacred site is defined as an area that has been, and often continues to be, of religious significance to Native American peoples, such as an area where religious ceremonies are practiced or an area that is central to their origins as a people. They also include areas where Native Americans gather plants for food, medicinal, or economic purposes.

Phase I archaeological resources survey consists of a literature review (background research), consultation with the Native American Heritage Commission, and fieldwork. Fieldwork consists of a physical inspection of the cultural resources survey area, generally through pedestrian surveys, or by other means when appropriate. The purpose of the Phase I survey is to identify the cultural resources known or likely to be present in the project's impact area and in the immediate vicinity.

Phase II archaeological investigation, consisting of testing and evaluation, is conducted when the results of a Phase I investigation indicate the presence of potentially significant cultural resources. Phase II investigations are intended to evaluate the historical significance of historic and prehistoric archaeological sites and require a comprehensive and detailed scope of work, a research design, and fieldwork. Surface and subsurface testing is conducted during Phase II investigations to collect the data necessary to establish historical significance of archaeological sites.

Phase III data recovery is implemented on those archaeological sites that are determined to be significant as a result of the Phase II investigations and that cannot feasibly be avoided or preserved with initiative implementation. Phase III efforts typically involve the collection of data intended to answer scientific or research questions that have been formulated during Phase II testing and formalized by a comprehensive Phase III research design. Most commonly, Phase III data collections are implemented on sites determined to be significant as a means of mitigating the effects of a initiative through salvage, recordation, and archiving of scientific data associated with the site.

Pleistocene is defined as an interval of time, relating to or denoting the first epoch of the Quaternary period, between the Pliocene and Holocene epochs, from approximately 2.6 million years ago to 11,000 years ago.

Pliocene is defined as an interval of time, relating to or denoting the last epoch of the Tertiary period, between the Miocene and Pleistocene epochs, from approximately 5.5 to 2.6 million years ago.

Prehistoric period is defined as the era prior to AD 1769. The later part of the prehistoric period (post-AD 1542) is also characterized as the protohistoric period in some areas, which marks a transitional period during which native populations began to be influenced by European presence resulting in gradual changes to their lifeways.

Quaternary is defined as the most recent Period in geological time; includes the Pleistocene and Holocene Epochs.

Unique geologic feature is defined as an important and irreplaceable geological formation. Such features may have scientific and/or cultural values.

Unique paleontological resource is defined as a fossil that meets one or more of the following criteria:

- It provides information on the evolutionary relationships and developmental trends among organisms, living or extinct.
- It provides data useful in determining the age(s) of the rock unit or sedimentary stratum, including data important in determining the depositional history of the region and the timing of geologic events therein.
- It provides data regarding the development of biological communities or interaction between plant and animal communities.
- It demonstrates unusual or spectacular circumstances in the history of life.
- The fossils are in short supply and/or in danger of being depleted or destroyed by the elements, vandalism, or commercial exploitation, and are not found in other geographic locations.

SECTION 2.0

PROJECT DESCRIPTION

Metro is proposing to construct a forecourt and esplanade at Los Angeles Union Station (Union Station; LAUS), improvements to Alameda Street, partially close Los Angeles Street, and create a bus staging area on Arcadia Street. The project is being proposed by Metro but includes City of Los Angeles (City) property. The project is located within or adjacent to an area that has been designated as a Historical-Cultural Monument by the City. The project also includes lands that are within the Alameda District Specific Plan that were privately owned prior to Metro acquisition.

2.1 LOCATION

The proposed project is located adjacent to and within LAUS, at 800 North Alameda Street, City of Los Angeles, California, 90012 (Figure 2.1-1, *Vicinity Map*; Figure 2.1-2, *Project Area Map*). The LAUS property is generally bounded by Highway 101 to the south, Alameda Street to the west, East Cesar E. Chavez Avenue to the north, and Vignes Street to the east. However, the project site is generally bounded by Alameda Street to the west (extends beyond the edge of Alameda Street for the Los Angeles Street improvements), East Cesar E. Chavez Avenue to the north, Union Station Terminal Building to the east, and Arcadia Street to the south. Specific project elements are located on Alameda Street from Arcadia Street in the south to East Cesar E. Chavez Avenue in the north, Arcadia Street from Alameda Street to Spring Street, Los Angeles Street from El Pueblo de Los Angeles to Union Station, and the Union Station Forecourt area. Adjacent to the project to the west there is the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles State Historic Park at 125 Paseo De La Plaza, and the Avila Adobe Museum at 10 Olvera Street. Terminal Annex is located north of East Cesar E. Chavez Avenue and is located outside of the project site.

2.2 PROJECT ELEMENTS

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking northwest of the western entrance to the LAUS Terminal Building (approximately 60 spaces) to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between East Cesar E. Chavez Avenue and Arcadia Street) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade; reconfiguring the entrance from Union Station to the El Pueblo de Los Angeles State Historic Park by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street; and repurposing the easternmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo.

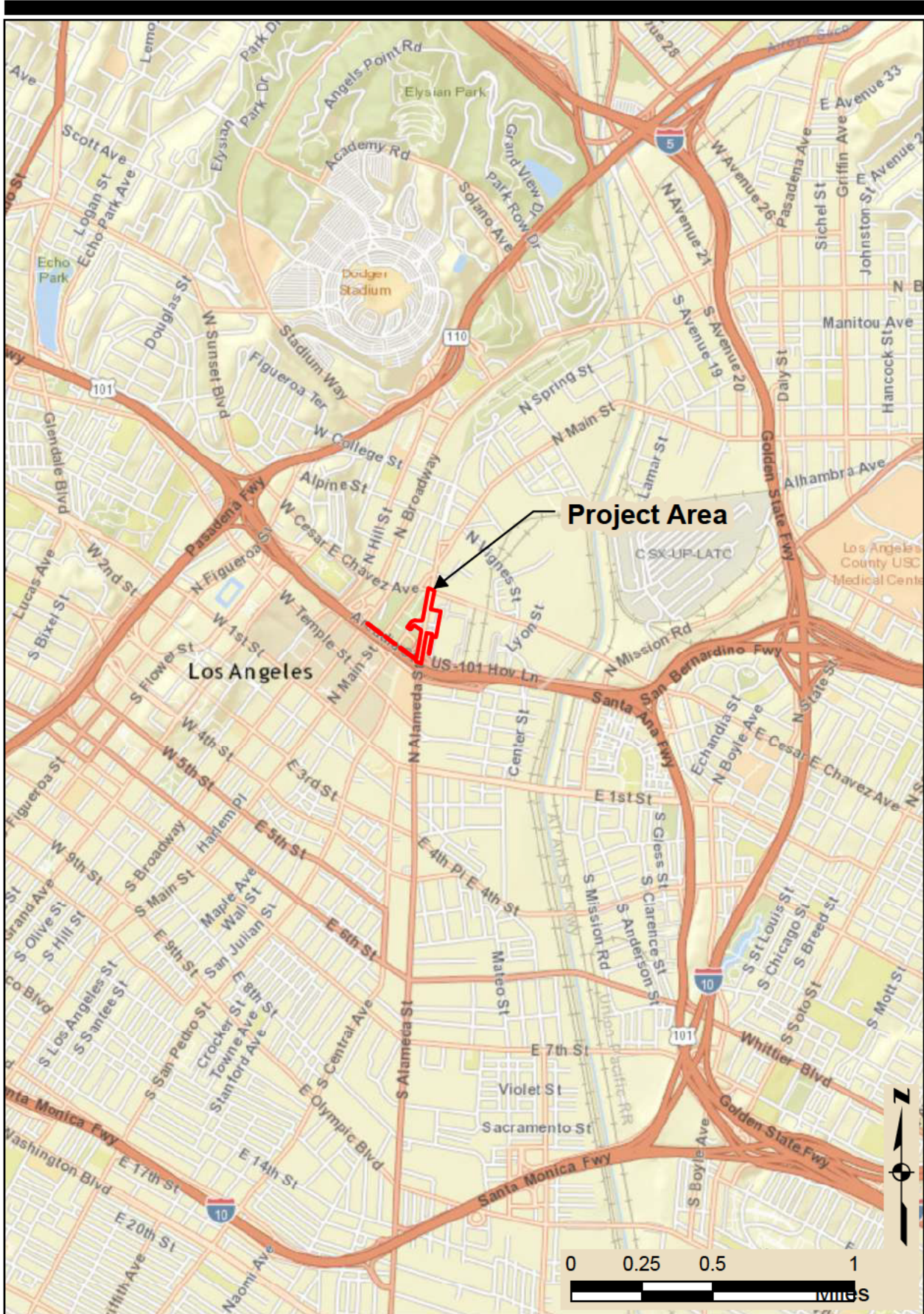


Figure 2.2-1. Vicinity Map

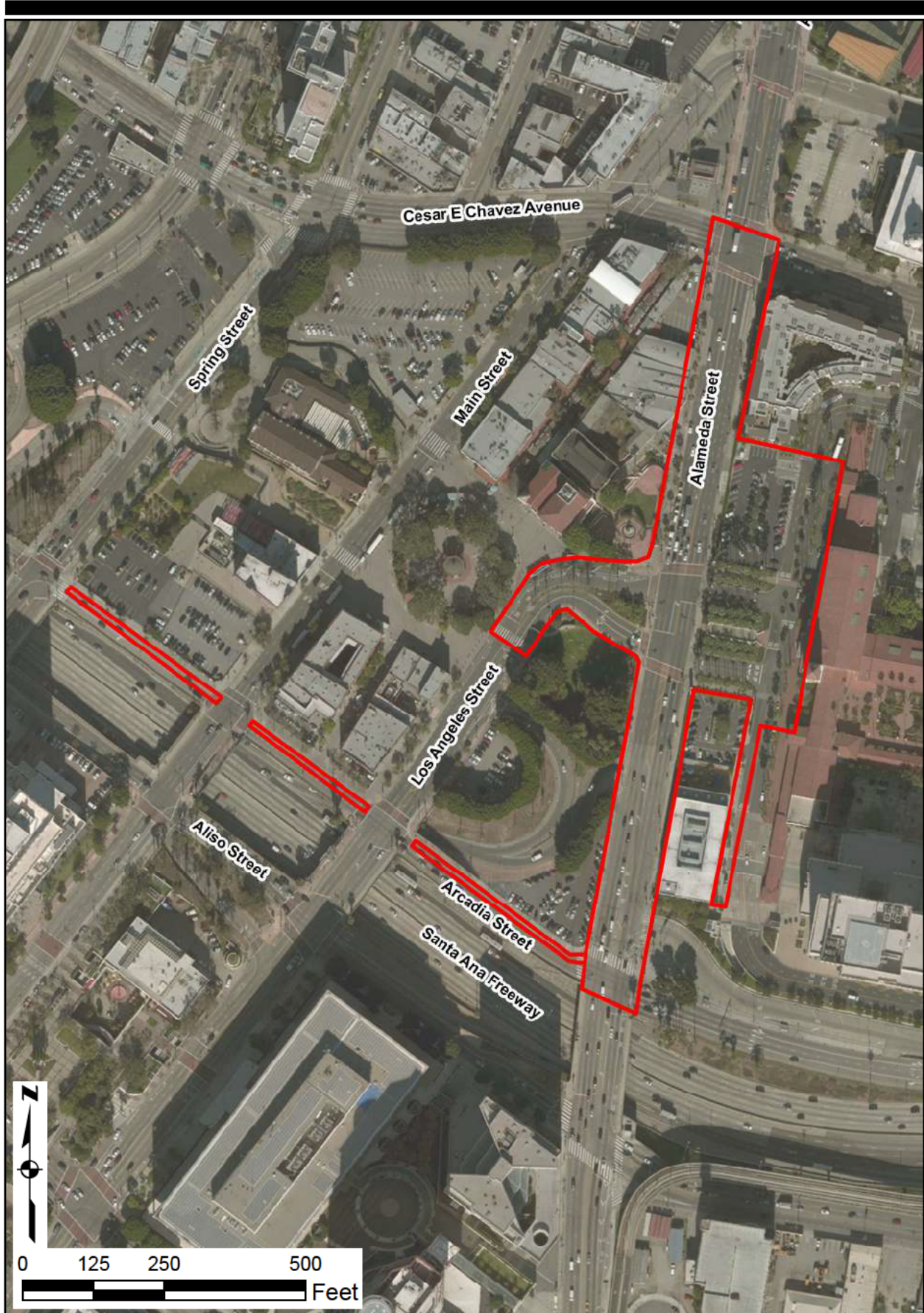


Figure 2.1-2. Project Area Map

The proposed project generally includes improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Union Station Forecourt. There are seven primary improvements under consideration to improve circulation for pedestrians and cyclists:

- On the east side of Alameda Street, a pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees, and eliminate one vehicle travel lane northbound on Alameda Street)
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound
- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations
- Partial closure of Los Angeles Street at Alameda/El Pueblo de Los Angeles
- Reconfiguration of the approximately 60-space parking lot in front of Union Station into the Forecourt as a civic space, sustainability components, and seating area
- Closure of the northern driveway into Union Station from Alameda Street as part of a reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo de Los Angeles State Historic Park across Alameda Street and into Los Angeles Street
- El Pueblo de Los Angeles tourist bus parking zone at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street

In addition to the above-mentioned improvements, the Alameda Esplanade would change three travel lanes in each direction and a left-turn center lane to two lanes of travel with a left-turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

SECTION 3.0

REGULATORY FRAMEWORK

This section of the Report identifies the primary federal and state laws and regulations that govern the conservation and protection of cultural resources that must be considered during the decision-making process for projects that have the potential to affect cultural resources.

3.1 FEDERAL

National Historic Preservation Act of 1966

Enacted in 1966, the NHPA declared a national policy of historic preservation and instituted a multifaceted program, administered by the National Parks Service, to encourage the achievement of preservation goals at the federal, state, and local levels. The NHPA authorized the expansion and maintenance of the NRHP, established the position of State Historic Preservation Officer and provided for the designation of State Review Boards, set up a mechanism to certify local governments to carry out the purposes of the NHPA, assisted Native American tribes to preserve their cultural heritage, and created the Advisory Council on Historic Preservation (ACHP). Section 106 of the NHPA states that federal agencies with direct or indirect jurisdiction over federally funded, assisted, or licensed undertakings must take into account the effect of the undertaking on any historic property that is included in, or eligible for inclusion in, the NRHP, and that the ACHP must be afforded an opportunity to comment, through a process outlined in the ACHP regulations at 36 Code of Federal Regulations (CFR) Part 800, on such undertakings.

National Register of Historic Places

The NRHP was established by the NHPA of 1966 as “an authoritative guide to be used by federal, state, and local governments, private groups, and citizens to identify the Nation’s cultural resources and to indicate what properties should be considered for protection from destruction or impairment.” The NRHP recognizes properties that are significant at the national, state, and local levels. To be eligible for listing in the NRHP, a resource must be significant in American history, architecture, archaeology, engineering, or culture. Districts, sites, buildings, structures, and objects of potential significance must also possess integrity of location, design, setting, materials, workmanship, feeling, and association. A property is eligible for the NRHP if it is significant under one or more of the following criteria:

- Criterion A: It is associated with events that have made a significant contribution to the broad patterns of our history.
- Criterion B: It is associated with the lives of persons who are significant in our past.
- Criterion C: It embodies the distinctive characteristics of a type, period, or method of construction; represents the work of a master; possesses high artistic values; or represents a significant and distinguishable entity whose components may lack individual distinction.
- Criterion D: It has yielded, or may be likely to yield, information important in prehistory or history.

Cemeteries, birthplaces, or graves of historic figures, properties owned by religious institutions or used for religious purposes, structures that have been moved from their original locations, reconstructed historic buildings, and properties that are primarily commemorative in nature are not considered eligible for the NRHP unless they satisfy certain conditions. In general, a resource must be at least 50 years of age to be considered for the NRHP, unless it satisfies a standard of exceptional importance.

Native American Graves Protection and Repatriation Act of 1990

The Native American Graves Protection and Repatriation Act (NAGPRA) of 1990 sets provisions for the intentional removal and inadvertent discovery of human remains and other cultural items from federal and tribal lands. It clarifies the ownership of human remains and sets forth a process for repatriation of human remains and associated funerary objects and sacred religious objects to the Native American groups claiming to be lineal descendants or culturally affiliated with the remains or objects. It requires any federally funded institution housing Native American remains or artifacts to compile an inventory of all cultural items within the museum or with its agency and to provide a summary to any Native American tribe claiming affiliation.

3.2 STATE

California Environmental Quality Act

Pursuant to CEQA, a *historical resource* is a resource listed in, or eligible for listing in, the CRHR. In addition, resources included in a local register of historic resources or identified as significant in a local survey conducted in accordance with state guidelines are also considered historic resources under CEQA, unless a preponderance of the facts demonstrates otherwise. According to CEQA, the fact that a resource is not listed in or determined eligible for listing in the CRHR or is not included in a local register or survey shall not preclude a Lead Agency, as defined by CEQA, from determining that the resource may be a historic resource as defined in California Public Resources Code Section 5024.1.

CEQA applies to archaeological resources when (1) the archaeological resource satisfies the definition of a historical resource or (2) the archaeological resource satisfies the definition of a "unique archaeological resource." A *unique archaeological resource* is an archaeological artifact, object, or site that has a high probability of meeting any of the following criteria:

1. The archaeological resource contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information.
2. The archaeological resource has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. The archaeological resource is directly associated with a scientifically recognized important prehistoric or historic event or person.

Appendix G of the CEQA Guidelines¹ provides a set of sample questions that guide the evaluation of potential impacts with regard to cultural resources.

Would the proposed project:

- (a) Cause a substantial adverse change in the significance of an historical resource as defined in §15064.5?
- (b) Cause a substantial adverse change in the significance of an archaeological resource as defined in §15064.5?
- (c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?
- (d) Disturb any human remains, including those interred outside of formal cemeteries?

California Register of Historical Resources

Created in 1992 and implemented in 1998, the CRHR is “an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state’s historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change.” Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks (CHLs) numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historic resources surveys, or designated by local landmarks programs may be nominated for inclusion in the CRHR. A resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- Criterion 1: It is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage.
- Criterion 2: It is associated with the lives of persons important in our past.
- Criterion 3: It embodies the distinctive characteristics of a type, period, region, or method of construction; represents the work of an important creative individual; or possesses high artistic values.
- Criterion 4: It has yielded, or may be likely to yield, information important in history or prehistory.

Resources nominated to the CRHR must retain enough of their historic character or appearance to be recognizable as historic resources and to convey the reasons for their significance. It is possible that a resource whose integrity does not satisfy NRHP criteria may still be eligible for listing in the CRHR. A resource that has lost its historic character or appearance may still have sufficient integrity for the CRHR if, under Criterion 4, it maintains the potential to yield significant scientific or

¹ California Code of Regulations, Title 14, Chapter 3. Amended 6 October 2005. Guidelines for the Implementation of the California Environmental Quality Act, Appendix G.

historical information or specific data. Resources that have achieved significance within the past 50 years also may be eligible for inclusion in the CRHR, provided that enough time has lapsed to obtain a scholarly perspective on the events or individuals associated with the resource.²

California Historical Landmarks³

CHLs are buildings, structures, sites, or places that have anthropological, cultural, military, political, architectural, economic, scientific or technical, religious, experimental, or other value and that have been determined to have statewide historical significance by meeting at least one of the criteria listed below. The resource must also be approved for designation by the County Board of Supervisors (or the City or Town Council in whose jurisdiction it is located), be recommended by the State Historical Resources Commission, and be officially designated by the Director of California State Parks. The specific standards in use now were first applied in the designation of CHL No. 770. CHLs No. 770 and above are automatically listed in the CRHR. To be eligible for designation as a Landmark, a resource must meet at least one of the following criteria:

- The first, last, only, or most significant of its type in the state or within a large geographic region (Northern, Central, or Southern California)
- Associated with an individual or group having a profound influence on the history of California
- A prototype of, or an outstanding example of, a period, style, architectural movement or construction or one of the more notable works or the best surviving work in a region of a pioneer architect, designer, or master builder

California Points of Historical Interest⁴

California Points of Historical Interest are sites, buildings, features, or events that are of local (city or county) significance and have anthropological, cultural, military, political, architectural, economic, scientific or technical, religious, experimental, or other value. Points of Historical Interest designated after December 1997 and recommended by the State Historical Resources Commission are also listed in the CRHR. No historic resource may be designated as both a Landmark and a Point. If a Point is later granted status as a Landmark, the Point designation will be retired. In practice, the Point designation program is most often used in localities that do not have a locally enacted cultural heritage or preservation ordinance. To be eligible for designation as a Point of Historical Interest, a resource must meet at least one of the following criteria:

- The first, last, only, or most significant of its type within the local geographic region (city or county)

² Office of Historic Preservation. Undated. "Technical Assistance Bulletin 6: California Register and National Register, A Comparison (for purposes of determining eligibility for the California Register)." Available at: www.ohp.parks.ca.gov

³ Office of Historic Preservation, Department of Parks and Recreation, State of California. "California Historical Landmarks Registration Programs." Available at: www.ohp.parks.ca.gov

⁴ Office of Historic Preservation, Department of Parks and Recreation, State of California. "California Points of Historical Interest Registration Programs." Available at: www.ohp.parks.ca.gov

- Associated with an individual or group having a profound influence on the history of the local area
- A prototype of, or an outstanding example of, a period, style, architectural movement or construction or one of the more notable works or the best surviving work in the local region of a pioneer architect, designer, or master builder

Native American Heritage Commission, Public Resources Code Sections 5097.9–5097.991

Section 5097.91 of the Public Resources Code established the Native American Heritage Commission (NAHC), whose duties include the inventory of places of religious or social significance to Native Americans and the identification of known graves and cemeteries of Native Americans on private lands. Under Section 5097.9, a State policy of noninterference with the free expression or exercise of Native American religion was articulated along with a prohibition of severe or irreparable damage to Native American sanctified cemeteries, places of worship, religious or ceremonial sites or sacred shrines located on public property. Section 5097.98 specifies a protocol to be followed when the NAHC receives notification of a discovery of Native American human remains from a county coroner. Section 5097.5 defines as a misdemeanor the unauthorized disturbance or removal of archaeological, historic, or paleontological resources located on public lands.

California Native American Graves Protection and Repatriation Act of 2001

Codified in the California Health and Safety Code Sections 8010–8030, the California Native American Graves Protection and Repatriation Act (Cal NAGPRA) is consistent with the federal NAGPRA. Intended to “provide a seamless and consistent state policy to ensure that all California Indian human remains and cultural items be treated with dignity and respect,” Cal NAGPRA also encourages and provides a mechanism for the return of remains and cultural items to lineal descendants. Section 8025 established a Repatriation Oversight Commission to oversee this process. The Act also provides a process for non-federally recognized tribes to file claims with agencies and museums for repatriation of human remains and cultural items.

Assembly Bill (AB) 52

AB 52 requires lead agencies to consult with California Native American Tribes that request such consultation prior to the agency’s release of a Notice of Preparation of an Environmental Impact Report or Notice of Intent of a Mitigated Negative Declaration on or after July 1, 2015.

Under AB 52, a project that may cause a substantial adverse change in the significance of a tribal cultural resource is defined as a project that may have a significant effect on the environment. Where a project may have a significant impact on a tribal cultural resource, the lead agency’s environmental document must discuss the impact and whether feasible alternatives or mitigation measures could avoid or substantially lessen the impact.

Consultation with Tribes

Recognizing that tribes may have expertise with regard to their tribal history and practices, AB 52 requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if they have requested notice of projects proposed within that area. If the tribe requests consultation within 30 days upon receipt of the notice, the lead

agency must consult with the tribe. Consultation may include discussing the type of environmental review necessary, the significance of tribal cultural resources, the significance of the project's impacts on the tribal cultural resources, and alternatives and mitigation measures recommended by the tribe.

The parties must consult in good faith, and consultation is deemed concluded when either the parties agree to measures to mitigate or avoid a significant effect on a tribal cultural resource (if such a significant effect exists) or when a party concludes that mutual agreement cannot be reached.

Mitigating Adverse Changes to Tribal Cultural Resources

Mitigation measures agreed upon during consultation must be recommended for inclusion in the environmental document. AB 52 also identifies mitigation measures that may be considered to avoid significant impacts if there is no agreement on appropriate mitigation. Recommended measures include:

- Preservation in place
- Protecting the cultural character and integrity of the resource
- Protecting the traditional use of the resource
- Protecting the confidentiality of the resource
- Permanent conservation easements with culturally appropriate management criteria

Health and Safety Code, Sections 7050 and 7052

Health and Safety Code, Section 7050.5, declares that, in the event of the discovery of human remains outside a dedicated cemetery, ground disturbance must cease and the county coroner must be notified. Section 7052 establishes a felony penalty for mutilating, disinterring, or otherwise disturbing human remains, except by relatives.

Penal Code, Section 622.5

Penal Code, Section 622.5, provides misdemeanor penalties for injuring or destroying objects of historic or archaeological interest located on public or private lands but specifically excludes the landowner.

3.3 REGIONAL

Part 28 - Historic Preservation Ordinance 22.52.3000 (Ord. 2015-0033 § 3, 2015)

The County of Los Angeles adopted this ordinance to establish the County of Los Angeles Register of Landmarks and Historic Districts, the criteria for designation and the process for designation. The purpose of this ordinance was to enhance and preserve the County's distinctive historic, architectural and landscape characteristics; foster community pride; positively affect property values throughout the county; further establish the County as a tourist destination and business location; recognize local historic resources as an economic asset and promote continued reuse of

these historic resources; and specify criteria and procedures for designation provide for the ongoing preservation and maintenance of historic resources.

3.4 LOCAL

Los Angeles County General Plan 2035

The County's cultural resources objective, found in the Conservation and Natural Resources Element of the General Plan 2035, is to preserve and protect cultural resources including historic, archaeological, and paleontological resources. The County has established specific policies to support the achievement of the cultural resource objective:⁵

- **Policy C/NR 14.1:** Mitigate all impacts from new development on or adjacent to historic, cultural, and paleontological resources to the greatest extent feasible.
- **Policy C/NR 14.2:** Support an inter-jurisdictional collaborative system that protects and enhances historic, cultural and paleontological resources.
- **Policy C/NR 14.3:** Support the preservation and rehabilitation of historic buildings.
- **Policy C/NR 14.6:** Ensure proper notification and recovery processes are carried out for development on or near historic, cultural, and paleontological resources.

City of Los Angeles General Plan

The City's objective, found in the Conservation Element of the General Plan, is to protect the city's archaeological and paleontological resources for historical, cultural, research and/or educational purposes. Additionally, the City's object is to protect important cultural and historical sites and resources for historical, cultural, research, and community educational purposes.⁶

- **Policy:** Continue to identify and protect significant archaeological and paleontological sites and/or resources known to exist or that are identified during land development, demolition or property modification activities.
- **Policy:** Continue to protect historic and cultural sites and/or resources potentially affected by proposed land development, demolition or property modification activities.

Alameda District Specific Plan

The purpose of the Alameda District Specific Plan is to provide regulatory controls and incentives for the systematic and incremental execution of that portion of the General Plan that relates to this geographic area and to provide for public needs, convenience and general welfare as the development of such area necessitates. Additionally, the plan ensures orderly development and

⁵ Los Angeles County Department of Regional Planning. January 2014. Los Angeles County General Plan Public Review Draft: Chapter 9: Conservation and Natural Resources Element. Available online at: http://planning.lacounty.gov/assets/upl/project/gp_2035_Chapter9_2014.pdf

⁶ City of Los Angeles Department of City Planning. September 2001. City of Los Angeles General Plan: Conservation Element. Available online at: <https://planning.lacity.org/cwd/gnlpln/consvelt.pdf>

appropriate capacity of public facilities for the intensity and design of development by establishing general procedures for development within the Specific Plan area. The plan also provides continued and expanded development of the site both as a major transit hub for the region, and as a mixed-use development providing office, hotel, retail, entertainment, tourism, residential and related uses within the Specific Plan area, in conformance with the goals and objectives of local and regional plans and policies. Finally, the purpose of the Alameda District Specific Plan is to expand the economic base of the City, by providing additional employment opportunities and additional revenues to the region.⁷ The Alameda District Specific Plan established the following policies pertaining to historic preservation:

- **Policy 1.** The Applicant shall preserve and rehabilitate the significant historic elements of the Terminal Annex and Union Station buildings, except for those portions of the Union Station building known as the “altered southern service wing” and the “south ramp,” and the “1960's addition to the Terminal Annex building.” If required by the Los Angeles Administrative or Municipal Code, review by the Cultural Heritage Commission shall occur prior to issuance of any building or demolition permits for other significant portions of Union Station.
- **Policy 2.** Rehabilitation work on the Terminal Annex and Union Station buildings shall conform to the Secretary of the Interior’s Standards for Rehabilitation and Guidelines.

City of Los Angeles Historic-Cultural Monuments

The City of Los Angeles Cultural Heritage Ordinance, enacted in 1962, made possible the designation of buildings and sites as individual local landmarks, called Historic-Cultural Monuments (HCMs). Designation as an HCM recognizes the building, structure, site, or plant life as important to the history of the city, state, or nation; provides eligibility for the Mills Act program, provides a Historical Property Contract that can result in a property tax reduction; and permits use of the California Historical Building Code.

A historical or cultural Monument is any site (including significant trees or other plant life located thereon), building, or structure of particular historical or cultural significance to the City of Los Angeles, such as historic structures or sites:

- In which the broad cultural, political, economic, or social history of the nation, state, or community is reflected or exemplified; or
- Which are identified with historic personages or with important events in the main currents of national, state, or local history; or
- Which embody the distinguishing characteristics of an architectural-type specimen, inherently valuable for a study of a period, style, or method of construction; or
- Which are a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.

⁷ City of Los Angeles, Department of City Planning. June 1996. City of Los Angeles, General Plan, Alameda District Specific Plan. Available at: <http://planning.lacity.org/complan/specplan/pdf/ALAMEDA.PDF>

SECTION 4.0

BACKGROUND INFORMATION

This section of the Report summarizes information regarding the geological, prehistoric, ethnographic, and historic context of the project site.

4.1 GEOLOGICAL CONTEXT

The project site is located within the central area of Los Angeles in the Los Angeles Basin. The Los Angeles Basin separates the Peninsular Ranges from the Transverse Ranges. Union Station lies within a geological formation referred to as the basin's central block. The project site has a gently sloping landscape. Elevation within the project area ranges from approximately 280 to 300 feet above mean sea level (MSL). The basin is a coastal lowland area, whose floor is marked by elongated low ridges and groups of hills that are located on the edge of the Pacific tectonic plate. On the north, northeast, and east, the basin is bound by the San Gabriel Mountains and Puente, Elysian, and Repetto Hills. To the southeast, it is bordered by the Santa Ana Mountains and the San Joaquin Hills. The western boundary of the basin is marked by the Continental Borderland and is part of the onshore portion. The basin surface slopes gently south or seaward, but is interrupted by the Coyote Hills near the northeastern edge, by a line of elongated low hills and mesas to the south and west, and by the Palos Verdes peninsula at the southwest extremity.⁸

The basin is underlain by Quaternary non-marine deposits, Pleistocene marine and terrace deposits, and clastic sedimentary rocks of Late Cretaceous through Pleistocene age and inter-bedded volcanic rocks of middle Miocene age. Geologic mapping of the area indicates that existing and proposed development areas are generally underlain by Recent alluvium (Qal) and Pleistocene sediments. A review of geologic maps for the Los Angeles Basin indicates that Upper Miocene marine (Mu) deposits are adjacent to the project site and may underlie the Recent alluvium in the project site.⁹ The recent alluvium has a low potential to yield unique paleontological resources, thus representing a low paleontological sensitivity. However, the older Pleistocene sediments in the area have yielded vertebrate localities, containing unique paleontological resources; therefore, the older Pleistocene sediments have a high sensitivity for paleontological resources. Similarly, marine deposits, such as the Fernando Formation, a fossiliferous rock unit dating to the Pliocene Epoch (more than 2 million years before present) also have a high sensitivity for paleontological resources. The depth below the ground surface to encounter older Pleistocene sediments and the Fernando Formation are not known.¹⁰

4.2 PREHISTORIC AND ETHNOGRAPHIC CONTEXT

Prehistoric Setting

Several prehistoric cultural chronologies have been proposed for the southern California coast, with two of the most frequently cited sequences developed by William Wallace¹¹ and Claude

⁸ See <http://www.laalmanac.com/government/gl01maps.htm>

⁹ See ftp://ftp.consrv.ca.gov/pub/dmg/pubs/gam/GAM_008_Los_Angeles/GAM_008_Map_1969.pdf

¹⁰ Federal Railroad Administration, United States. 2005. Los Angeles Union Station Run-through Tracks Project: Environmental Impact Statement. Northwestern University.

¹¹ Wallace, William J. 1955 A Suggested Chronology for Southern California Coastal Archaeology. *Southwestern Journal of Anthropology* 11:214-230.

Warren.¹² The chronological sequence presented herein represents an updated synthesis of these schemes as compiled by Glassow and others¹³ for the Northern California Bight. This geographic area consists of the coastal area from Vandenberg Air Force Base south to Palos Verdes, as well as the Channel Islands and adjacent inland areas, including the Los Angeles Basin.¹⁴ The prehistoric sequence of the Los Angeles Basin can be divided into four broad temporal categories (Table 4.2-1, *California Coastal Regional Chronology*). It should be noted that the prehistoric chronology for the region is being refined on a continuing basis, with new discoveries and improvements in the accuracy of dating techniques.

**TABLE 4.2-1
CALIFORNIA COASTAL REGIONAL CHRONOLOGY**

Epoch	Coastal Region	Dates
Late Pleistocene / Early Holocene	Paleo-Coastal Period	Circa 9500 to 7000/6500 BC
Middle Holocene	Millingstone Period	Circa 7000/6500 to 1500/1000 BC
Late Holocene	Intermediate Period	1500/1000 BC to AD 750
Late Holocene	Late Period	AD 750 to Spanish contact

Terminal Pleistocene and Early Holocene: Paleo-Coastal Period (Circa 9500 to 7000/6500 BC)

Although data on early human occupation for the southern California coast are limited, archaeological evidence from the northern Channel Islands suggests initial settlement within the region occurred at least 12,000 years before present (B.P.). At Daisy Cave (CA-SMI-261) on San Miguel Island, radiocarbon dates indicate an early period of use in the terminal Pleistocene, sometime between 9600 and 9000 calibrated (cal) BC.¹⁵ Evidence of early human occupation in the Northern California Bight has also been found on nearby Santa Rosa Island, where human remains from the Arlington Springs Site (CA-SRI-1730) have been dated between 11,000 and 10,000 cal BC.¹⁶ Archaeological data recovered from these and other coastal Paleoindian sites indicate a distinctively maritime cultural adaptation, termed the “Paleo-Coastal Tradition,”¹⁷ which involved the use of seafaring technology and a subsistence regime focused on shellfish gathering and fishing.¹⁸

¹² Warren, Claude M. 1968 Cultural Tradition and Ecological Adaptation on the Southern California Coast. In *Archaic Prehistory in the Western United States*, edited by Cynthia Irwin-Williams, pp. 1-14. Eastern New Mexico University Contributions in Anthropology No. 1. Portales.

¹³ Glassow, Michael A., Lynn H. Gamble, Jennifer E. Perry, and Glenn S. Russell. 2007. Prehistory of the Northern California Bight and the Adjacent Transverse Ranges. In *California Prehistory, Colonization, Culture, and Complexity*, edited by Terry L. Jones and Kathryn A. Klar, pp. 191-213. Altamira Press, New York.

¹⁴ Glassow, Michael A., Lynn H. Gamble, Jennifer E. Perry, and Glenn S. Russell. 2007. Prehistory of the Northern California Bight and the Adjacent Transverse Ranges. In *California Prehistory, Colonization, Culture, and Complexity*, edited by Terry L. Jones and Kathryn A. Klar, pp. 191. Altamira Press, New York.

¹⁵ Erlandson, J.M., D.J. Kennett, B.L. Ingram, D.A. Guthrie, D.P. Morris, M.A. Tveshov, G.J. West, and P.L. Walker 1996. An Archaeological and Paleontological Chronology for Daisy Cave (CA-SMI-261), San Miguel Island, California. *Radiocarbon* 38: 355-373.

¹⁶ Johnson, J.R., T.W. Stafford, Jr., H.O. Ajie and D.P. Morris. 2002. Arlington Springs Revisited. In *Proceedings of the Fifth California Islands Symposium*. Edited by Browne, D., K. Mitchell and H. Chaney, pp. Pages 541–545. USDI Minerals Management Service and The Santa Barbara Museum of Natural History, Santa Barbara, CA.

¹⁷ Moratto, M.J. 1984. *California Archaeology*, pp. 103-113. Academic Press, New York.

¹⁸ Rick, T.C., J.M. Erlandson, and R.L. Vellanoweth. 2001. Paleocoastal Fishing Along the Pacific Coast of the Americas: Evidence from Daisy Cave, San Miguel Island, California. *American Antiquity* 66:595-614.

Relatively few sites have been identified in the Los Angeles Basin that date to the terminal Pleistocene and early Holocene. Currently, the earliest reliable date for human occupation in the area derives from the La Brea Tar Pits (CA-LAN-159), where human bone has been dated to 8520 cal BC.¹⁹ Evidence of possible early human occupation has also been found at the sand dune bluff site of Malaga Cove (CA-LAN-138), located between Redondo Beach and Palos Verdes.²⁰ Researchers have proposed that archaeological remains recovered from the lowermost cultural stratum at the site, which include shell, animal bone, and chipped stone tools, may date as early as 8000 cal BC.^{21,22}

Middle Holocene: Millingstone Period (Circa 7000/6500 to 1500/1000 BC)

The Millingstone Period, or Horizon, also referred to as the “Encinitas Tradition,”^{23,24} is the earliest well-established cultural occupation of the coastal areas of the region. The onset of this period, which began sometime between 7000 and 6500 cal BC, is marked by the expansion of populations throughout the Northern California Bight. Regional variations in technology, settlement patterns, and mortuary practices among Millingstone sites have led researchers to define several local manifestations or “patterns” of the tradition.²⁵ In coastal Los Angeles and Orange counties, the Encinitas Tradition is represented by the “Topanga Pattern.” Topanga groups are thought to have been relatively small and highly mobile, with a general subsistence economy focused on the gathering of shellfish and plant foods, particularly hard seeds, with hunting being of less importance.²⁶

Two temporal subdivisions have been defined for the portion of the Topanga Pattern falling within the Millingstone Period: Topanga I (circa 6500 to 3000 BC) and Topanga II (circa 3000 to 1000 BC).²⁷ Topanga I assemblages are characterized by abundant manos and metates, core tools and scrapers, charmstones, coggled stone, and discoids; projectile points are quite rare with those present resembling earlier, large, leaf-shaped forms.²⁸ Secondary inhumations with associated cairns are the most common burial form at Millingstone sites with small numbers of extended inhumations also identified. The subsequent Topanga II phase largely represents a continuation of

¹⁹ Berger, R., Protsch, R., Reynolds, R., Rozaire, C., Sackett, J.R., 1971. *New Radiocarbon Dates Based on Bone Collagen of California Indians*, pp. 43–49. Contributions to the University of California Archaeological Survey, Los Angeles.

²⁰ Walker, Edwin Francis. 1951. *Five Prehistoric Archaeological Sites in Los Angeles County, California*. Southwest Museum, F. W. Hodge Anniversary Publication Fund VI, Los Angeles.

²¹ Moratto, M.J. 1984. *California Archaeology*, pp. 132. Academic Press, New York.

²² Wallace, W.J. 1986. *Archaeological Research at Malaga Cove*. In *Symposium: A New Look at Some Old Sites*, edited by G.S. Breschini and T. Haversat. Coyote Press Archives of California Archaeology 6:21-27. Coyote Press, Salinas.

²³ Sutton, Mark Q. 2010. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2): 1-54.

²⁴ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 1-64.

²⁵ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 1-64.

²⁶ Glassow, Michael A., Lynn H. Gamble, Jennifer E. Perry, and Glenn S. Russell. 2007. Prehistory of the Northern California Bight and the Adjacent Transverse Ranges. In *California Prehistory, Colonization, Culture, and Complexity*, edited by Terry L. Jones and Kathryn A. Klar, pp. 196. Altamira Press, New York.

²⁷ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 8.

²⁸ Glassow, Michael A., Lynn H. Gamble, Jennifer E. Perry, and Glenn S. Russell. 2007. Prehistory of the Northern California Bight and the Adjacent Transverse Ranges. In *California Prehistory, Colonization, Culture, and Complexity*, edited by Terry L. Jones and Kathryn A. Klar, pp. 194. Altamira Press, New York.

the Topanga pattern with site assemblages characterized by numerous manos and metates, charmstones, cogged stones, discoidals, and some stone balls. A significant technological change in ground stone occurs at this time with the appearance of mortars and pestles at Topanga II sites suggesting the adoption of balanophagy by coastal populations.²⁹ The quantity of projectile points also notably increases in Topanga II site deposits indicating that the hunting of large game may have played a greater role in the subsistence economy than in earlier times. While secondary burials continue to be quite common, a few flexed inhumations have also been recovered from archaeological contexts dating to the Topanga II phase.

A number of Millingstone sites have been identified in the Los Angeles Basin. Evidence of long-term Topanga occupation has been found in the Ballona Lagoon near Marina del Rey. Data obtained from survey and excavation projects in the Ballona Lagoon indicate that during the Topanga I phase, the bluff tops overlooking the lagoon were used as temporary campsite locales by coastal groups who exploited marine and lagoonal fish and shellfish resources.³⁰ During the Topanga II phase, use of the area intensified with small, limited-use settlements established along the edges of the lagoon. Faunal remains from these latter sites suggest Topanga II groups practiced a more generalized subsistence strategy which emphasized the exploitation of small terrestrial mammals, in addition to fish and shellfish resources.³¹

Late Holocene: Intermediate Period (1500/1000 BC to AD 750)

The Intermediate Period, which encompasses the early portion of the “Del Rey Tradition” as defined by Sutton,³² begins around 3500 B.P. At this time, significant changes are seen throughout the coastal areas of Southern California in material culture, settlement systems, subsistence strategies, and mortuary practices. These new cultural traits have been attributed to the arrival of Takic-speaking people from the southern San Joaquin Valley.³³ Biological, archaeological, and linguistic data indicate that the Takic groups who settled in the Los Angeles Basin were ethnically distinct from the preexisting Hokan-speaking Topanga populations and are believed to be ancestral to ethnographic Gabrielino groups.³⁴ While archaeological evidence indicates that “relic” Topanga III populations continued to survive in isolation in the Santa Monica Mountains, these indigenous groups appear to have been largely replaced or absorbed by the Gabrielino or Chumash by 2000 B.P.³⁵

²⁹ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 41.

³⁰ Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manuel Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:34-42.

³¹ Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manuel Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:34-42.

³² Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 31-93.

³³ Sutton, Mark Q. 2009. People and Language: Defining the Takic Expansion in Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 41(2&3): 31-93.

³⁴ Sutton, Mark Q. 2009. People and Language: Defining the Takic Expansion in Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 41(2&3): 31-93.

³⁵ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 17.

Intermediate Period sites within the Los Angeles Basin are represented by the “Angeles Pattern” of the Del Rey Tradition.³⁶ Three temporal subdivisions have been defined for the portion of the Angeles Pattern that falls within the Intermediate Period: Angeles I (1500 to 600 BC), Angeles II (600 BC to AD 400), and Angeles III (AD 400 to 750).³⁷ The onset of the Angeles I phase is characterized by the increase and aggregation of regional populations and the appearance of the first village settlements. The prevalence of projectile points, single-piece shell fishhooks, and bone harpoon points at Angeles I sites suggests a subsistence shift in the Intermediate Period with an increased emphasis on fishing and terrestrial hunting and less reliance on the gathering of shellfish resources. Regional trade or interaction networks also appeared to develop at this time with coastal populations in the Los Angeles Basin obtaining small steatite artifacts and *Olivella* shell beads from the southern Channel Islands and obsidian from the Coso Volcanic Field.³⁸ Finally, marked changes are seen in mortuary practices during the Angeles I phase with flexed primary inhumations and cremations replacing extended inhumations and cairns.

The Angeles II phase largely represents a continuation and elaboration of the Angeles I technology, settlement, and subsistence systems. One exception to this pattern is the introduction of a new funerary complex around 2600 B.P. consisting of large rock cairns or platforms which contain abundant broken tools, faunal remains, and cremated human bone. These mortuary features have generally been thought to represent the predecessor of the Southern California Mourning Ceremony.³⁹ Several important changes in the archaeological record mark the beginning of the Angeles III phase. At this time, larger seasonal villages characterized by well-developed middens and cemeteries were established along the coast or inland areas. Archaeological data from Angeles III sites indicate that residents of these settlements practiced a fairly diverse subsistence strategy which included the exploitation of both marine and terrestrial resources.⁴⁰ Notable technological changes occurred at this time with the introduction of the plank canoe and bow and arrow.⁴¹ The appearance of new *Olivella* bead types at Angeles III sites indicates a reconfiguration of existing regional exchange networks with increased interaction with populations in the Gulf of California.⁴² Finally, cremations increase slightly in frequency at this time with inhumations no longer placed in an extended position.⁴³

³⁶ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 31-93.

³⁷ Sutton, Mark Q., and Jill K. Gardner. 2010. Reconceptualizing the Encinitas Tradition of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 42(4): 8.

³⁸ Koerper, Henry C., Roger D. Mason, and Mark L. Peterson. 2002. Complexity, Demography, and Change in Late Holocene Orange County. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by on M. Erlandson and Terry L. Jones, pp. 63-81. University of California, Los Angeles, Institute of Archaeology, Perspectives in California Archaeology, Vol. 6. Los Angeles.

³⁹ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 14-16.

⁴⁰ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 18-20.

⁴¹ Glassow, Michael A., Lynn H. Gamble, Jennifer E. Perry, and Glenn S. Russell. 2007. Prehistory of the Northern California Bight and the Adjacent Transverse Ranges. In *California Prehistory, Colonization, Culture, and Complexity*, edited by Terry L. Jones and Kathryn A. Klar, pp. 203-204. Altamira Press, New York.

⁴² Koerper, Henry C., Roger D. Mason, and Mark L. Peterson. 2002. Complexity, Demography, and Change in Late Holocene Orange County. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by on M. Erlandson and Terry L. Jones, pp. 63-81. University of California, Los Angeles, Institute of Archaeology, Perspectives in California Archaeology, Vol. 6. Los Angeles.

⁴³ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 18.

At Ballona Lagoon near Marina del Rey, several large residential sites (CA-LAN-63, CA-LAN-64, and CA-LAN-206A) were established within the wetlands and surrounding bluffs at the beginning of the Intermediate Period.⁴⁴ These sites contained a diversity of features including hearths, burials, and houses. Faunal remains indicate a broad-spectrum collecting strategy that included the exploitation of terrestrial mammals and birds, as well as fish and shellfish. The presence of particular species of migratory waterfowl in the faunal assemblage indicates primary occupation of these sites may have occurred in the late fall to early spring. These data suggest that while residential mobility in the Intermediate Period was greatly reduced from previous times, a fully sedentary occupation of the Ballona Lagoon locale is still not indicated.⁴⁵

Late Holocene: Late Period (AD 750 to Spanish Contact)

The Late Period dates from approximately AD 750 until Spanish contact at AD 1542. Sutton⁴⁶ has divided this period, which falls within the larger Del Rey Tradition, into two phases: Angeles IV (AD 750–1200) and Angeles V (AD 1200–1550). The Angeles IV phase is characterized by the continued growth of regional populations and the development of large, sedentary villages. Recent archaeological research indicates that Late Period habitation sites within the Los Angeles Basin may have been hierarchically organized around estuarine locales with more productive locales supporting large residential populations.⁴⁷ Although chiefdoms appear to have developed in the northern Channel Islands and Santa Barbara region after 850 B.P.,^{48,49} little direct evidence has been found to suggest this level of social complexity existed in the Los Angeles Basin during the late prehistoric period.⁵⁰

Several new types of material culture appear during the Angeles IV phase including Cottonwood series points, birdstone and “spike” effigies, *Olivella* cupped beads, and *Mytilus* shell disk beads. The presence of Southwestern pottery, Patayan ceramic figurines, and Hohokam shell bracelets at Angeles IV sites suggests some interaction between groups in the Los Angeles Basin and the Southwest. Notable changes are seen in regional exchange networks after 800 B.P. with an increase in the number and size of steatite artifacts, including large vessels, elaborate effigies, and *comals*, recovered from Angeles V sites. The presence of these artifacts suggests a strengthening of

⁴⁴ Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manuel Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:37-38.

⁴⁵ Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manuel Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:38.

⁴⁶ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 26.

⁴⁷ Grenda, D.R., and J.A. Altschul. 2002. Complex Cultures, Complex Arguments: Sociopolitical Organization in the Blight. In *Islanders and Mainlanders, Prehistoric Context for the Southern California Blight*, edited by J.H. Altschul and D.R. Grenda, pp. 147-178. SRI Press, Tucson.

⁴⁸ Arnold, Jeanne E. 1992. Complex Hunter-Gatherer-Fishers of Prehistoric California: Chiefs, Specialists, and Maritime Adaptations of the Channel Islands. *American Antiquity* 57(1): 60-84.

⁴⁹ Gamble, Lynn H. 2005. Culture and Climate: Reconsidering the Effect of Palaeoclimatic Variability Among Southern California Hunter-Gatherer Societies. *World Archaeology* 37(1):92-108.

⁵⁰ Sutton, Mark Q. 2006. The Del Rey Tradition and Its Place in the Prehistory of Southern California. *Pacific Coast Archaeological Society Quarterly*, Volume 44(2&3): 26.

trade ties between populations in the Los Angeles Basin and the southern Channel Islands.⁵¹ Finally, Late Period mortuary practices remain largely unchanged from the Intermediate Period with flexed primary inhumations continuing to be the preferred burial method.

Marked changes occurred in the occupation of the Ballona Lagoon during the Late Period. Paleoenvironmental reconstructions indicate that by 1000 B.P., much of the lagoon had silted in and become a sediment-choked estuary.⁵² At this time, most of the Intermediate Period settlements in the area were abandoned as the local population aggregated into a few large settlements along lower Centinela Creek and at the edge of the lagoon.⁵³ Faunal remains recovered from these Late Period sites indicate a generalized subsistence strategy focused on a broad mix of terrestrial and marine resources with a shift from lagoon to sandy shoreline shellfish species as the estuary silted in.^{54,55}

Regional Ethnography

At the time of contact, the Native Americans subsequently known as the Gabrielino Indians occupied lands around Los Angeles and whose territories comprised nearly the entire basin comprising the Counties of Los Angeles and Orange. They belonged to the Takic family of the Uto-Aztecan linguistic stock. Named after the Mission San Gabriel, the Gabrielino are considered to have been one of the two wealthiest and largest ethnic groups in aboriginal southern California,⁵⁶ the other being the Chumash. This was largely due to the many natural resources within the land base they controlled, primarily the rich coastal section from Topanga Canyon to Aliso Creek, and the offshore Channel Islands of San Clemente, San Nicholas, and Santa Catalina.

The Takic-speaking ancestors of the Gabrielino arrived in the Los Angeles basin around 1500 BC and spread throughout the area, displacing a preexisting Hokan-speaking population.⁵⁷ The first Spanish contact with the Gabrielino took place in 1520, when Juan Rodriguez Cabrillo arrived in Santa Catalina Island. In 1602, the Spanish returned to Santa Catalina under Sebastián Vizcaíno, and in 1769, Gaspar de Portolá made the first attempt to colonize Gabrielino territory. By 1771,

⁵¹ Koerper, Henry C., Roger D. Mason, and Mark L. Peterson. 2002. Complexity, Demography, and Change in Late Holocene Orange County. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by M. Erlandson and Terry L. Jones, pp. 69. University of California, Los Angeles, Institute of Archaeology, Perspectives in California Archaeology, Vol. 6. Los Angeles.

⁵² Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manual Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:39.

⁵³ Altschul, Jeffrey H., John G. Douglass, Richard Ciolek-Torrello, Sarah Van Galder, Benjamin R. Vargas, Kathleen L. Hull, Donn R. Grenda, Jeffrey Homburg, Manual Palacios-Fest, Steven Shelley, Angela Keller, and David Maxwell. 2007. Life at the Nexus of the Wetlands and Coastal Prairie, West Los Angeles. *Proceedings for the Society for California Archaeology*, Volume 20:39.

⁵⁴ Maxwell, D. 2003. Vertebrate Faunal Remains. In *At the Base of the Bluff, Archaeological Inventory and Evaluation along Lower Centinela Creek, Marina del Rey, California*. Playa Vista Monograph Series Test Excavation Report 4, edited by J.H. Altschul, A.Q. Stoll, D.R. Grenda, and R. Ciolek-Torrello, pp. 145-177. Statistical Research, Tucson, Arizona.

⁵⁵ Becker, K.M. 2003. Invertebrate Faunal Remains. In *At the Base of the Bluff, Archaeological Inventory and Evaluation along Lower Centinela Creek, Marina del Rey, California*. Playa Vista Monograph Series Test Excavation Report 4, edited by J.H. Altschul, A.Q. Stoll, D.R. Grenda, and R. Ciolek-Torrello, pp. 179-200. Statistical Research, Tucson, Arizona.

⁵⁶ Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *Handbook of North American Indians, Vol. 8*, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 538.

⁵⁷ Sutton, Mark Q. 2005. People and Language: Defining the Takic Expansion into Southern California. *Pacific Coast Archaeological Society Quarterly* 41(2&3):31-94.

the Spanish had built four missions, and the decimation of the Gabrielino had already begun.⁵⁸ European diseases and conflicts among the Gabrielino population, as well as conversion to Christianity, carried a toll in their numbers, traditions, and beliefs.

Although determining an accurate account of the population numbers is difficult, Bean and Smith⁵⁹ state that by AD 500, the Gabrielino established permanent settlements and their population continued to grow. Early Spanish accounts indicate that the Gabrielino lived in permanent villages with a population ranging from 50 to 200 individuals. The Gabrielino population surpassed 5,000 people by around 1770.

Several types of structures characterized the Gabrielino villages. They lived in domed circular structures covered with tule, fern, or carrizo. Communal structures measured over 60 feet in diameter and could house three or four families. Sweathouses, menstrual huts, and a ceremonial enclosure were also part of the village arrangements.⁶⁰

The Gabrielino practiced different subsistence strategies that included hunting, fishing, and gathering. Hunting activities in land were carried out with the use of bow and arrow, deadfalls, snares, and traps. Smoke and throwing clubs also were used to assist with the hunt of burrowing animals. Aquatic animals were hunted with harpoons, spear-throwers, and clubs. Although most fishing activities took place along rivers and from shore, open water fishing trips between mainland and the islands also took place using boats made from wood planks and asphaltum. The Gabrielino fishing equipment included fishhooks made of shells, nets, basketry traps, and poison substances obtained from plants.⁶¹

The Gabrielino diet included a large number of animals, such as deer, rabbit, squirrel, snake, and rats, as well as a wide variety of insects. However, some meat taboos also existed. The meat of bears, rattlesnakes, stingrays, and ravens were not consumed; these animals were believed to be messengers of the god Chengüichgech. Aquatic animals such as fish, whales, seals, sea otters, and shellfish were also an important part of the diet, mainly among the coastal population.⁶²

A variety of plant foods were consumed by the Gabrielino, the main one being acorns. These nuts are rich in nutrients and have a high content of fiber and fat. Other plants used for consumption by the Gabrielino include the seeds of the Islay (*Prunus ilicifolia*), which were ground into a meal, and the seeds and shoots of the Chía (*Salvia columbariae*), which were eaten raw, made into loaves, or mixed with water to make a beverage. Roots and bulbs were also part of the diet among the mainland and island groups, as well as clover, wild sunflower seeds, and cholla seeds. Wild tobacco was used for medicinal purposes and as a sedative and narcotic.⁶³

⁵⁸ Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *Handbook of North American Indians, Vol. 8*, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 540–541.

⁵⁹ Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *Handbook of North American Indians, Vol. 8*, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 540.

⁶⁰ Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *Handbook of North American Indians, Vol. 8*, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 542.

⁶¹ Bean, L.J., and C.R. Smith. 1978. "Gabrielino." In *Handbook of North American Indians, Vol. 8*, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 546.

⁶² McCawley, W. 1996. *The First Angelinos: The Gabrielino Indians of Los Angeles*. Banning, CA: Malki Museum Press, 116–117, 121, 126.

⁶³ McCawley, W. 1996. *The First Angelinos: The Gabrielino Indians of Los Angeles*. Banning, CA: Malki Museum Press, 128–131.

The Gabrielinos were involved in trade among themselves and with other groups. Coastal Gabrielinos exchanged steatite, shell and shell beads, dried fish, sea otter pelts, and salt with inland groups for acorns, seeds, obsidian, and deerskins.⁶⁴ During the late prehistoric period, the principal trade item, both among the Gabrielino and for export to other groups, was steatite. Also known as soapstone or soaprock, major outcroppings of steatite are found on Santa Catalina Island. Steatite was widely used among the Gabrielino to make arrow straighteners and artistic or ritualistic objects. In addition, this rock was used in the making of functional objects for food preparation such as bowls, mortars, pestles, and comals.⁶⁵ Archaeological data indicate that a steatite “industry” developed prehistorically on the island that involved the large-scale trade of both raw materials and finished artifacts to mainland communities.⁶⁶

4.3 HISTORIC SETTING

Regional

Mission Period (1769-1828): The first expedition to explore Alta California was undertaken by Gaspar de Portola in 1769 to establish a presence in a region long claimed but ignored by Spain. However, the first local colonization really occurred when Mission San Gabriel Arcangel (“San Gabriel Mission”) was founded by Franciscan friars on September 8, 1771. Flooding of mission fields led Friar Lasuen to recommend reestablishing the Mission at its present locale in 1775. The original settlement established by the Spanish was located on lands currently occupied by Union Station. Spanish explorers crossed the Arroyo Seco in the late 1700s and gave the river its name, which means dry river. The nearby San Gabriel and San Fernando missions used arroyo lands for grazing and logging.

Mexican Period (1829-1847): In 1822, when Mexico became independent, the pueblo and its surroundings became open for all immigrants and its mercantile character was established, although it was still primarily an agrarian community with several ranchos like Santa Gertrudis near Whittier having more than 50 residents. The town had both Mexican and Native American inhabitants and a few immigrant merchants. The 1830s saw ongoing unrest. The establishment of a colonial capital at Los Angeles (the Spanish focus having been Monterey) emphasized the City’s growing importance.

American Period (1847 to 1940): In 1845 local Californians ousted the Mexican-appointed governor and elected Pio Pico to administer what by then was California’s largest city of perhaps 1,250 *gente de rason*, and 600 laborers and Native Americans. Rebellion against Mexico spread from Texas and U.S. troops landed on the coast where both local help and opposition were found. In January 1847, Pico surrendered to Colonel Fremont and Los Angeles was occupied. California was admitted to the United States in 1850.

The discovery of gold in northern California brought waves of immigrants to California. Los Angeles grew as a mercantile center, while its ranches prospered by supplying beef to the miners

⁶⁴ Bean, L.J., and C.R. Smith. 1978. “Gabrielino.” In Handbook of North American Indians, Vol. 8, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 547.

⁶⁵ Bean, L.J., and C.R. Smith. 1978. “Gabrielino.” In Handbook of North American Indians, Vol. 8, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 547.

⁶⁶ Bean, L.J., and C.R. Smith. 1978. “Gabrielino.” In Handbook of North American Indians, Vol. 8, ed. R.F. Heizer. Washington, DC: Smithsonian Institution, 547

and immigrants. Everyone wanted land but titles were clouded by the Spanish and Mexican political upheaval. Ownerships were confirmed by 1859 and the area maintained its Mexican agrarian character until after the American Civil War. The war, as well as natural disasters like the San Gabriel River floods of the 1862-64 period immediately followed by a period of intense draughts, lowered land values and depressed cattle prices.

Los Angeles Union Station Forecourt and Esplanade Improvements Project Area

The Gabrielino village of Yaanga (Yang-na) was originally located on the western bank of the Los Angeles River where the Pueblo of Los Angeles was later established. The village was first described by Juan Crespi of the 1769 Portolá expedition as a good village among the trees on the river. The prehistoric village likely lay scattered across a large area from the base of Fort Moore Hill to Union Station.⁶⁷ The community of Yaanga was forcibly relocated at least twice after the founding of the Pueblo de Los Angeles (El Pueblo de Nuestra la Reina de Los Angeles) on the site. In 1836, it was reportedly moved to the corner of Commercial and Alameda streets and given the name *Rancheria de los Poblanos*. In 1845, the village moved to the east side of the river before it was finally razed in 1847.⁶⁸

El pueblo de Los Angeles was established by Governor Felipe de Neve in 1781 along the banks of the Los Angeles River.⁶⁹ By 1820, the settlement was the largest non-mission community in Spanish California with a population of 650. During the Spanish and Mexican periods, the land to the east of Alameda Street was devoted to agriculture, primarily vineyards, owned by the Avila family and others. Sanborn maps indicate that most of the areas within the project boundary were occupied by commercial or residential buildings by 1888 (Figure 4.3-1, *Sanborn 1888 Map of Project Area*). The Los Angeles Orphan Asylum is identified on the 1888 Sanborn map to the north of the present forecourt area on the east side of Alameda Street. It was established in 1856 and in use until 1891.

The Union Station site was the location of Old Chinatown from the 1870s until the early 1900s. Continuous settlement by Chinese immigrants began in 1857 and by 1870 an identifiable "Chinatown" of 200 people was situated on Calle de Los Negros between El Pueblo Plaza and Old Arcadia Street. Buildings identified as Chinese Tenements and Chinese Quarters are shown on the 1888 Sanborn Map (Figure 4.3-1) in the area that is now the south side of the Union Station Forecourt. The number of Chinese Tenements and commercial buildings had increased by the time the 1906 Sanborn Map was created (Figure 4.3-2, *Sanborn 1906 Map of Project Area*). These buildings were still present when the first aerial photograph of the project area was taken in 1923 (Figure 4.3-3, *Aerial Photo 1923 Map of Project Area*). The 1938 aerial photo shows the few remaining buildings of Old Chinatown that were present while the Union Station buildings were being built (Figure 4.3-4, *Aerial Photo 1938 Map of Project Area*).

⁶⁷ Johnston, Bernice E. 1962. California's Gabrielino Indians. Frederick Webb Hodge Anniversary Publication Fund 8, Southwest Museum, Los Angeles, 122.

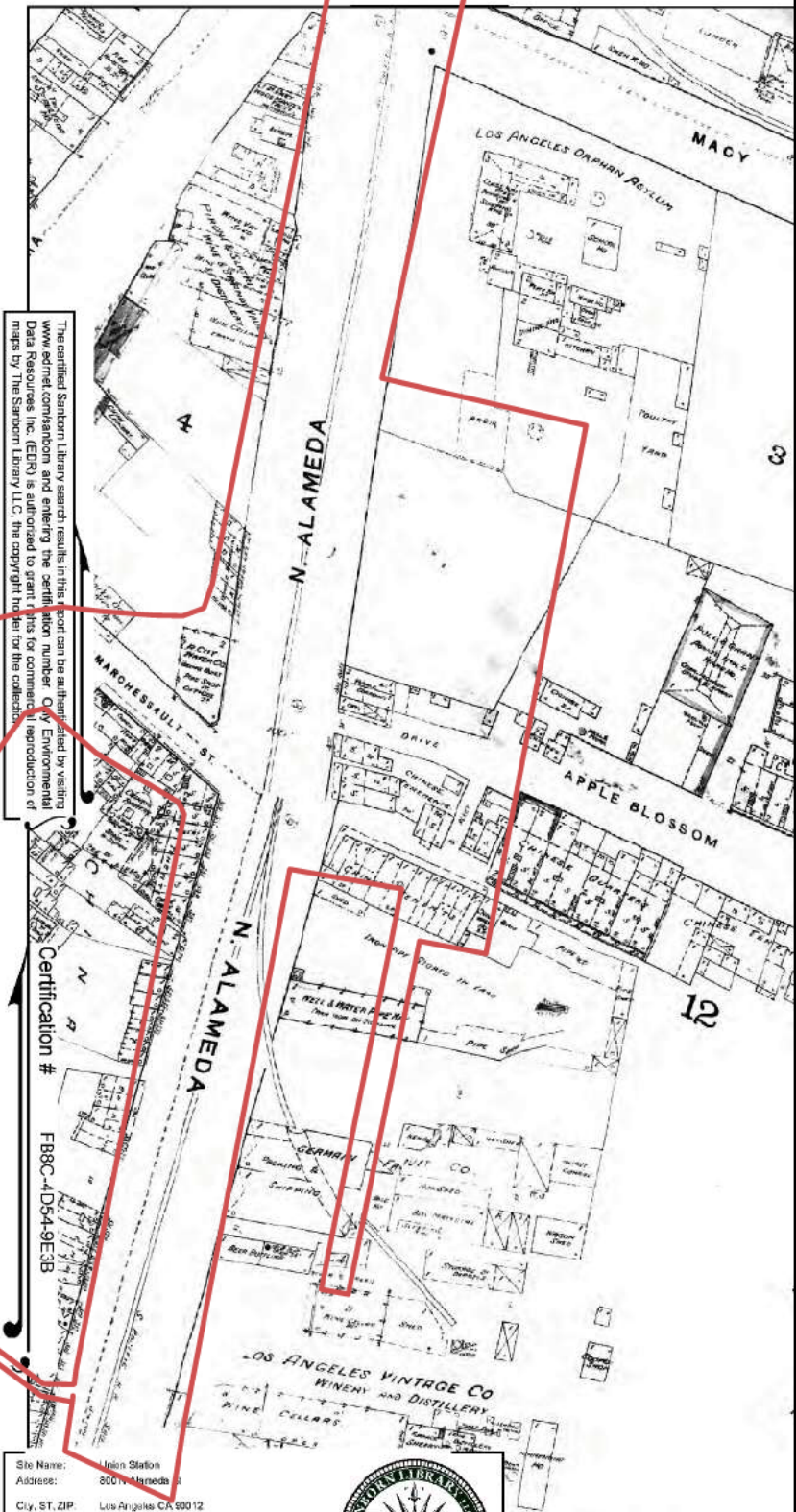
⁶⁸ McCawley, W. 1996. The First Angelinos: The Gabrielino Indians of Los Angeles. Banning, CA: Malki Museum Press, 202.

⁶⁹ Hoover, M. B., H. E. Rensch, E. G. Rensch, and W. N. Abeloe. 1990. Historic Spots in California. Stanford University Press, Stanford, California. 146.

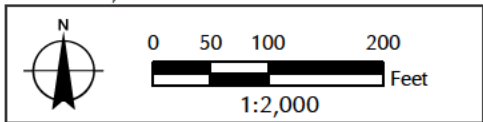
LEGEND

 Project Boundary

1888 Certified S



SOURCE: SEI, Sanborn



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Site Name: Union Station
Address: 800 N Alameda St
City, ST, ZIP: Los Angeles CA 90012



FIGURE 4.3-1
Sanborn 1888 Map of Project Area

LEGEND

 Project Boundary

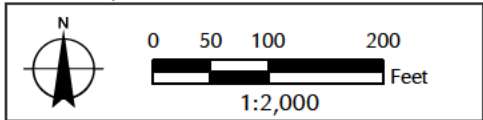
1906 Certified

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Site Name: Union Station
Address: 600 N. Alameda St



FIGURE 4.3-2
Sanborn 1906 Map of Project Area



FIGURE 4.3-3
Aerial Photo 1938 Map of Project Area



FIGURE 4.3-4
Aerial Photo 1938 Map of Project Area

By the 1870s, there was a recognizable red-light district located along Bath, New High, and Alameda Streets.⁷⁰ The brothels or 'cribs' are buildings identified on the 1888 Sanborn map as Female Boarding to the north of the Chinese Tenements in the present day forecourt area and on the west side of Alameda Street (Figure 4.3-1). By 1905 the cribs were being demolished and replaced by industrial buildings. The Female Boarding buildings were no longer identified within the project area by the time the 1906 Sanborn Map was created (Figure 4.3-2).

The 1888 Sanborn maps identifies several residential and commercial buildings within the project area on the west side of Alameda Street, including the Pironi and Slatry Wine and Brandy Vaults and Distillery on the north side of the project area, the Los Angeles City Water Co. to the north of Marchessault Street, and various Chinese commercial building south of Marchessault Street. These residential and commercial buildings were still present on the 1938 aerial photo of the project area (Figure 4.3-4). Most of these buildings had been demolished by 1964, with the exception of the winery building in the northwest portion of the project area on the west side of Alameda Street (Figure 4.3-5, *Aerial Photo 1964 Map of Project Area*).

The 1909 birdseye view map of Los Angeles (Figure 4.3-6, *1909 Historic Birdseye View Map of Old China Town and Project Area*) shows significant development within the current project area. Old Chinatown is labeled on the map in the area of the current Union Station. The Newell Mathews Co. building is located directly south of Old Chinatown. The Kerckhoff-Cuzner Lumber Company was located north of Old Chinatown along Macy St. (East Cesar E. Chavez Avenue).

⁷⁰ Costello, Julie et. al. 1999. Final Report: Historical Archaeology at the Headquarters Facility Project Site, The Metropolitan Water District of Southern California. Pre prepared for the Metropolitan Water District of Southern California. 27

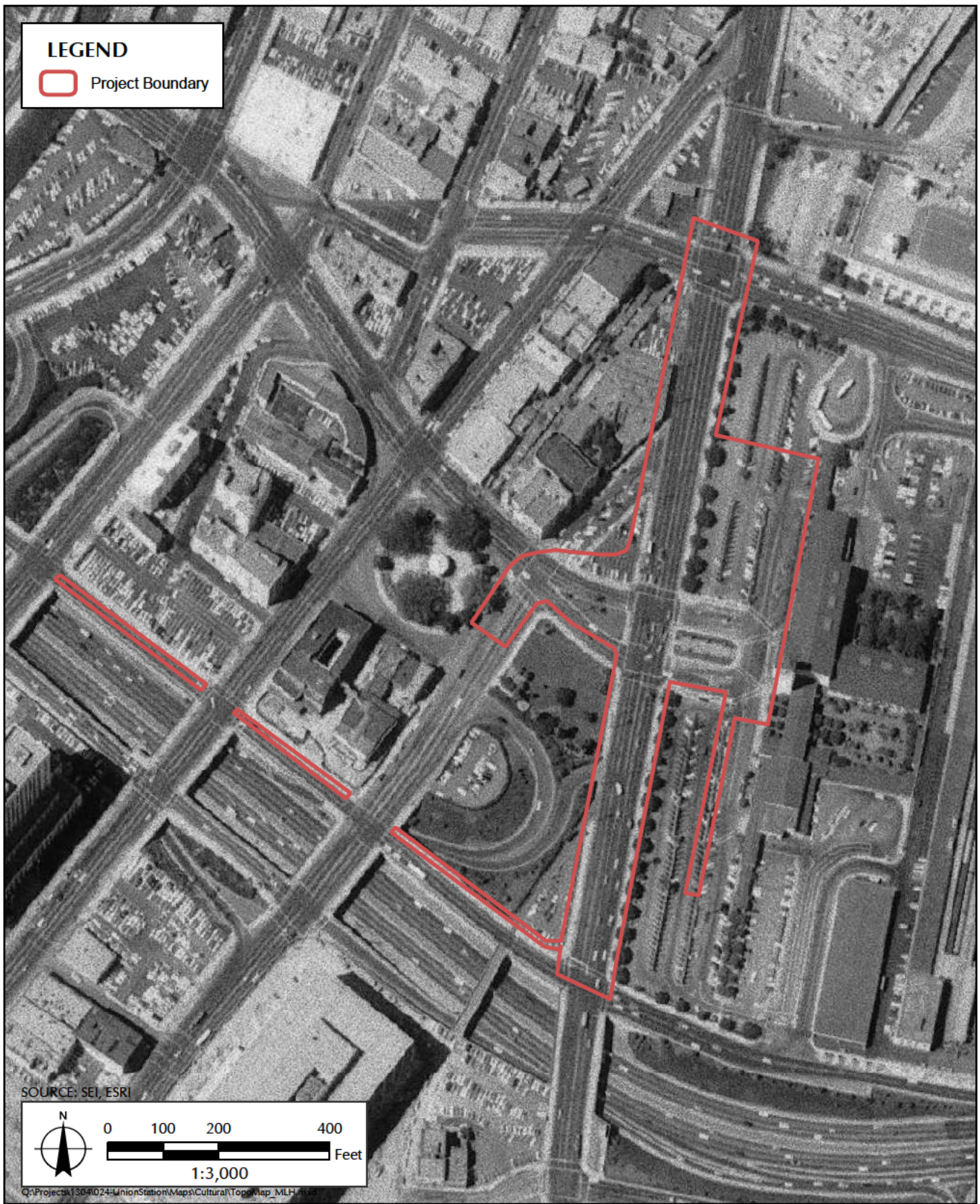


FIGURE 4.3-5
Aerial Photo 1964 Map of Project Area

SECTION 5.0

METHODS

This section of the Report summarizes the results of the record search conducted at the South Central Coastal Information Center (SCCIC). The SCCIC is located on the campus of California State University, Fullerton, and houses records of the California Historical Resources Information System (CHRIS). The existing information inventory includes the study of published and unpublished documents (as well as records, files, registers, and other sources) and all reasonably available documents that encompass the prehistoric, historic, and ethnological/sociological elements that are related to a larger land use history. This section documents previously conducted surveys within the proposed project site and previously recorded archaeological sites and isolates.

5.1 RESEARCH

Identification Methodology

Paleontological Record Search

A record search request was submitted on April 14, 2016, to the Vertebrate Paleontology section of the Natural History Museum of Los Angeles County to perform a paleontological collections record search to locate fossil localities within and in the immediate vicinity of the project site. The record search revealed that there are no previously recorded vertebrate fossil localities that lie directly within the project site. However, the record search revealed documentation of vertebrate localities, the comparable sedimentary units at nearby locations, indicating the potential for such resources to be encountered during excavations in underlying formations.⁷²

Cultural Resources Record Search

A background record search was conducted to identify previously documented archaeological and architectural resources (cultural resources) within or near the project area and to help establish a historic context within which to evaluate resources. National, state, and local inventories of cultural resources were examined in order to identify significant events and personages, development patterns, and unique interpretations of architectural styles. The following inventories were consulted:

- National Register of Historic Places (National Register; NRHP)
- California Register of Historical Resources (California Register; CRHR)
- California Historical Landmarks
- California Points of Historical Interest
- City of Los Angeles Historic-Cultural Monuments (Monuments; HCMs)

Sapphos Environmental, Inc. conducted a record search at SCCIC on April 13, 2016, and included a 0.25-mile radius around the project area. The purpose of the literature search was to identify prehistoric or historic archaeological sites or historic buildings and structures previously recorded

⁷² McLeod, Samuel A., Natural History Museum of Los Angeles County. 2 May 2016. "Vertebrate Paleontology Records Search for paleontological resources for the proposed LA Union Station MP Project, Job Number: 1304-019, in the City of Los Angeles, Los Angeles County, project area." Letter response Dustin Keeler, Sapphos Environmental, Inc., Pasadena, CA.

within and around the Project area. Sapphos Environmental, Inc. also reviewed the NRHP, CRHR, and Archaeological Determinations of Eligibility as well as numerous historic maps for the presence of possible historic structures or archaeological site locations, covering a date range from 1892 through 1957.

Consultation with Local Historical Societies

Sapphos Environmental, Inc. consulted with Eugene Moy of the Chinese Historical Society on July 19, 2016. The sources of information available at the Chinese Historical Society include an extensive collection of historic photos of the buildings within Old Chinatown, reports and field data from excavations conducted at the Old Chinatown site, and a collection of artifacts from excavations conducted on Metro projects. On April 29, 2016, a joint meeting was held with members of the project team, the Link US and High Speed Rail (HSR) project teams; the Los Angeles Conservancy; and the City of Los Angeles Office of Historic Resources for the purposes of coordinating project review and impact analyses. Sapphos Environmental, Inc. also consulted with Tom Savio, Alan Weeks, and Susan MacAdams of the Union Station Historical Society and Metro on July 25, 2016 regarding the previous master planning efforts. The Los Angeles Union Station Historical Society responded via letter on December 31, 2016 with their comments regarding the master planning efforts. It should be noted that the master planning efforts were ended in lieu of this project. On January 24, 2017 a second meeting was held by Sapphos Environmental, Inc., Metro, and with the Los Angeles Union Station Historical Society to discuss the project as currently defined and concerns were discussed.

Field Survey

A field survey of the project area was undertaken to verify the results of the Link US project, formerly known as the Run-Through Tracks project.⁷³ The field survey was conducted by qualified architectural historians in 2003. The boundary of the project site was confirmed, and historic/architectural resources within the project site and quarter-mile buffer were documented. The field survey of historic and architectural resources included the following steps:

- A visual onsite inspection of each parcel within the project area including an assessment of integrity;
- Identification of buildings, structures, and objects within the project area;
- Documentation utilizing digital photography; and
- Review in the field of previous findings.

Following completion of the field survey, site-specific research was conducted in the City of Los Angeles building permits to determine if the project site retains integrity since the 2005 documentation was published. The findings of the 2003 survey received State Historic Preservation Officer (SHPO) concurrence in 2005, and remain valid.

Sapphos Environmental, Inc., archaeologist Dr. Dustin Keeler conducted the reconnaissance pedestrian survey of the project sites on February 1, 2017. The reconnaissance pedestrian survey covered the entire project site where feasible. The archaeologist documented the existing conditions within the project sites through digital photographs and field notes. Special attention was paid to areas with exposed soil, which consisted primarily of landscaped areas.

⁷³ Jones & Stokes, 2004, Los Angeles Union Station Run-Through Tracks Project Final EIR/EIS

5.2 RECONNAISSANCE FIELD SURVEY

All cultural resource work was carried out under the direct supervision of qualified archaeologist and architectural historians who meet the Secretary of the Interior's Professional Qualification Standards for Archaeology, History, and Architectural History, and in accordance with the procedures for compliance with National Environmental Policy Act (NEPA), Section 106 of the National Historic Preservation Act (NHPA), and Section 15064.5 of the California Environmental Quality Act (CEQA) Guidelines. Key cultural resources personnel who conducted and/or supervised the field survey and prepared the technical report include Dustin Keeler, PhD, RPA and Carrie Chasteen, MS (Sapphos Environmental, Inc.).

Sapphos Environmental, Inc.'s archaeologist, Dr. Dustin Keeler, conducted a reconnaissance field survey of the project location on February 1, 2017 in order to document the existing conditions. The three project sites consist of approximately 6.71 acres. A Garmin Model 150 GPS unit was used to record survey points. The principal survey method consisted of a systematic walk-over the entire project site. Carrie Chasteen confirmed the 2003 survey results from the Run-Through Tracks Project on July 25, 2016.

SECTION 6.0

RESULTS

6.1 RESULTS OF THE EXISTING INFORMATION INVENTORY

6.1.1 Previous Cultural Resources Investigations

The results of the South Central Coastal Information Center (SCCIC) record search completed by SCCIC staff on April 13, 2016, indicated that 147 cultural resources studies have been conducted within a 0.25-mile search radius of the project site (Table 6.1.1-1, *Previous Surveys and Reports within One-Quarter Mile of Project Site*). Of these, 55 previous studies occurred within the project site, while 88 studies are within the quarter-mile buffer but outside the project site.

6.1.2 Previously Recorded Cultural Resources

A total of 102 cultural resources have been previously recorded within a 0.25-mile radius of the proposed project site. Of those, eight have been documented within the project site (Table 6.1.2-1, *Cultural Resources Located within One-Quarter Mile of the Project Site*). Of the eight resources in the project site, one is a multi-component historic and prehistoric site, four are historic sites, one is a historic district, and two are historic architectural resources.

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-00483	1978	Archaeological Resources Survey the Proposed Downtown People Mover Project Corridor Area	Literature search	X		19-120015	Greenwood, Roberta S.
LA-00850	1977	An Archaeological Assessment of Cultural Resources in Urban Los Angeles, California – La Placita De Dolores – LAN-887	Excavation	X		19-000887	Costello, Julia G. and Larry R. Wilcoxon
LA-00982	1977	Archaeological Resource Survey and Impact Assessment of a Proposed Parking Lot, Los Angeles, California	Archaeological, Field study		X		Bove, Frederick J.
LA-01071	1981	Preliminary Historic Archaeological Investigations at the Los Angeles Plaza Church	Literature search		X	19-001112	Singer, Clay A.
LA-01424	1984	Cultural Resource Assessment of the Proposed Los Angeles Federal Center, Los Angeles, California	Archaeological, Field study		X		Padon, Beth, Rod Raschke, and Roger Hatheway
LA-01577	1985	Identification Study for Cultural Resources Within Proposed Metro Rail Subway Station Locations in Metropolitan Los Angeles, Ca	Literature search		X	19-000007	Anonymous
LA-01578	1983	Technical Report Archaeological Resources Los Angeles Rapid Rail Transit Project Draft Environmental Impact Statement and Environmental Impact Report	Archaeological, Field study	X			Anonymous
LA-01609	1986	Los Angeles Outpatient Clinic Veterans Administration Archaeological Assessment Report Phase II	Excavation		X		Padon, Beth
LA-01642	1980	Los Angeles Downtown People Mover Program Archaeological Resources Survey: Phase II Evaluation of Significance and Recommendations for Future Actions	Literature search	X			Costello, Julia G.
LA-01643	1981	Los Angeles Downtown People Mover Program Archaeological Resources Survey Phase 3	Archaeological, Field study	X			Costello, Julia G.
LA-01770	1989	Report of Archaeological Reconnaissance Survey Of esa Project 7217b, City of Los Angeles, Los Angeles County, Ca	Archaeological, Field study		X		Salls, Roy A.
LA-01997	1990	First Street North Draft Environmental Impact Report	Archaeological, Field study		X		Anonymous
LA-02486	1991	Monitoring and Mapping: Union Station Utility Upgrade, CA-LAN-1575h	Monitoring		X	19-001575	Kaptain, Neal
LA-02519	1960	The Church by the Plaza: a History of the Pueblo Church of Los Angeles	Other research		X	19-001112	Owen, J. Thomas
LA-02521	1980	An Archaeological Research Design for the Sepulveda Block Restoration-rehabilitation Project	Field study, Other research		X		Chace, Paul G.
LA-02567	1979	Assessment of an Archaeological Feature Beneath the Merced Theatre Building, El Pueblo De Los Angeles State Historic Park	Other research	X		19-120014	Chace, Paul G.

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-02577	1992	Results of a Records Search Phase Conducted for the Proposed Alameda Corridor Project, Los Angeles County, California	Literature search		X	19-000007, 19-000098, 19-000385, 19-000389, 19-000390, 19-000887, 19-001112, 19-001575	Wlodarski, Robert J.
LA-02618	1992	Historical and Archaeological Assessment of the Southern California Rapid Transit District (scrted) Union Station Headquarters Project	Archaeological, Field study		X	19-001575	Greenwood, Roberta S., John M. Foster, and Judith A. Rasson
LA-02644	1992	The Results of a Phase 1 Archaeological Study for the Proposed Alameda Transportation Corridor Project, Los Angeles County, California	Archaeological, Field study		X	19-000385, 19-000389	Wlodarski, Robert J.
LA-02692	1985	Final Environmental Impact Statement Los Angeles Federal Center Master Plan	Literature search		X		Padon, Beth, Rod Raschke, and Roger Hatheway
LA-02695	1979	Report of an Archaeological and Historical Survey Conducted for 28+/- Acre Parcel Proposed for a New Central	Archaeological, Field study		X		Cottrell, Marie G.
LA-02712	1978	Archaeological Survey Report for the El Monte Busway Extension in the City of Los Angeles, Los Angeles County, California	Archaeological, Field study	X			Huey, Gene
LA-02713	1980	Aliso Street Historical Report El Monte Busway Extension in the City of Los Angeles 07-la-101 P.m.0. to .5 07202-417801	Other research	X			Weitze, Karen J.
LA-02788	1992	Archaeological Literature and Records Review, and Impact Analysis for the Eastside Corridor Alternatives Los Angeles, California	Literature search		X		Brown, Joan C.
LA-02892	1993	Phase I Archaeological Survey Report Pacific Pipeline Project Santa Barbara Coastal Reroutes Ethnohistoric Village Placement Locations	Archaeological, Field study	X			Stone, David and Robert Sheets
LA-02950	1992	Consolidated Report: Cultural Resource Studies for the Proposed Pacific Pipeline Project	Archaeological, Field study	X		19-000007, 19-000021, 19-000034, 19-000089, 19-000251, 19-000357, 19-000385, 19-000389, 19-000390, 19-000407, 19-000409, 19-000668, 19-000781, 19-000830, 19-000887, 19-000901, 19-000963, 19-001097, 19-001112, 19-001124, 19-001575, 19-001620	Anonymous
LA-02966	1993	Draft Stage I Environmental Site Assessment Eastside Extension (from Whittier Boulevard and Atlantic Boulevard Intersection to Union Station Area) Metro Red Line Los Angeles, California	Other research		X		Anonymous
LA-03103	1993	Cultural Resources Impact Mitigation Program Angeles Metro Red Line Segment 1	Monitoring	X		19-000007, 19-000887, 19-001575	Greenwood, Roberta S.
LA-03151	1994	Alameda District Plan, Los Angeles California: Prehistoric and Early Historic Archaeological Research	Archaeological, Field study	X		19-000007, 19-000887, 19-001112, 19-001575	Dillon, Brian D.
LA-03197	1976	Avila Adobe 1971 Excavation Potsherds	Other research	X			Gierke, Fredrick James
LA-03377	1996	El Pueblo de Los Angeles State Historic Park	Monitoring		X		Foster, John M.
LA-03496		Draft Environmental Impact Report Transit Corridor Specific Plan Park Mile Specific Plan Amendments	Management/planning	X		19-000159, 19-001945	Anonymous

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-03497	1994	Draft Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Management/planning		X		Anonymous
LA-03498	1994	Final Supplemental Environmental Impact Report Pasadena-Los Angeles Light Rail Transit Project	Management/planning		X		Anonymous
LA-03501	1990	Archaeological Record Search and Impact Evaluation for the Los Angeles Wastewater Program Management (nos-ncos) Project Los Angeles, California	Literature search, Management/planning	X		19-000007, 19-000053, 19-000055, 19-000056, 19-000057, 19-000067, 19-000068, 19-000069, 19-000070, 19-000071, 19-000072, 19-000073, 19-000074, 19-000080, 19-000097, 19-000132, 19-000159, 19-000171, 19-000172, 19-000181, 19-000887, 19-001112, 19-001261, 19-001336, 19-001399, 19-001595	Dillon, Brian D.
LA-03645	1995	Phase I Archaeological Survey and Cultural Resources Assessment of the Metropolitan Water District Headquarters Study Area, Los Angeles, California	Archaeological, Field study	X		19-001575	Whitley, David S.
LA-03783	1993	Archaeological Element of the Metropolitan Water District of Southern California Headquarters Facility Site Study Analysis	Archaeological, Field study		X		White, Robert S. and Laura S. White
LA-03812	1982	Archaeological Monitoring of the W-7 Ramp Project, Olvera St, El Pueblo De Los Angeles State Historic Park	Monitoring	X			Chace, Paul G.
LA-03813	1992	An Archival Study of a Segment of the Proposed Pacific Pipeline, City of Los Angeles, California	Literature search	X			Anonymous
LA-03906		(Duplicate of LA-850) An Archaeological Assessment of Cultural Resources in Urban Los Angeles, California La Placita De Dolores - LAN-887	Excavation	X		19-000887	Costello, Julia G. and Wilcoxon, Larry R.
LA-03908	1983	Monitoring the Repaving of an Area in Front of the Trash Compactor Located on Parking Lost No. 2, El Pueblo De Los Angeles State Historic Park (at the Corner of Macy Street and North Main	Monitoring	X		19-000887	Frierman, Jay D.
LA-03910	1983	Monitoring the Restoration and Rehabilitation of the Sepulveda Block 622-624 North Main Street El Pueblo De Los Angeles State Historic Park	Monitoring	X		19-000887	Frierman, Jay D.
LA-03946	1998	Archaeological Assessment for Pacific Bell Mobile Services Telecommunications Facility La 057-03, 433 East Temple Street, City and County of Los Angeles, California	Archaeological, Field study		X		McLean, Deborah K.
LA-03986	1981	A Cultural Resources Assessment of the Plaza El Pueblo De Los Angeles State Historic Park	Field study, Monitoring, Other research	X		19-000007	Chace, Paul G.
LA-04080	1996	Archaeological Research Design and Treatment Plan: the Metropolitan Water District of Southern California Headquarters Facility Project	Management/planning		X		Goldberg, Susan K. and Horne, Melinda C.
LA-04082	1982	Archaeological Survey Report for the I-5 Transitway	Archaeological, Field study		X		Romani, John F.

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-04219		Seismic Retrofit of Macy Street Bridge Over the Los Angeles River	Architectural/historical		X		Lee, Portia
LA-04262	1987	Zanja No. 3: Brick Culvert Historic American Engineering Record Documentation at the Proposed Federal Center Complex Los Angeles, California	Archaeological, Field study		X	19-000887	Berger, Louis
LA-04263	1986	General Services Administration Federal Center: Archaeological Assessment Report Phase 2	Excavation		X	19-000887	Padon, Beth
LA-04383	1980	Cultural Resources Study, Chinatown Senior Citizens Housing Site	Archaeological, Field study		X		Frierman, Jay D.
LA-04386	1993	Cultural Resources Overview Los Angeles County Metropolitan Transportation Authority's Interstate Commerce Commission Abandonment Exemption Pasadena-Los Angeles Light Rail Transit Project	Architectural/historical		X		Anonymous
LA-04447	1999	Los Angeles County Demolition of Buildings Between Spring Street and New High Street	Archaeological, Other research	X			Anonymous
LA-04448	1994	Section 106 Documentation for the Metro Rail Red Line East Extension in the City and County of Los Angeles, California	Literature search		X	19-150193, 19-150194, 19-150195, 19-167081, 19-171159, 19-172755, 19-174235, 19-174939, 19-174940, 19-174941, 19-174942, 19-174943, 19-174944, 19-174946, 19-174947, 19-174948, 19-174949, 19-174950, 19-174951, 19-174952, 19-174953, 19-174954, 19-174955, 19-174956, 19-174957, 19-174958, 19-174959, 19-174960, 19-174963, 19-174964, 19-174965, 19-174967, 19-174968, 19-174969, 19-174970, 19-174971, 19-174972, 19-174973, 19-174974, 19-174975, 19-174976, 19-174977, 19-174978, 19-174979, 19-176524, 19-176589	Richard Starzak
LA-04452	1982	Determination of Eligibility Report Chinatown	Evaluation	X		19-150329, 19-170901, 19-170949, 19-170950, 19-170951, 19-170953, 19-170954, 19-170955, 19-170956, 19-170957, 19-170958, 19-170959, 19-170960, 19-170961, 19-170962, 19-170963, 19-170964, 19-170965	Hatheway, Roger G.
LA-04623	1986	Los Angeles Federal Center Project: Determination of Effect on National Register Properties	Architectural/historical		X	19-166858, 19-166891, 19-166939, 19-167020, 19-167499, 19-170973, 19-171159, 19-173078, 19-173174, 19-173225	Unknown
LA-04625	1994	Historic Property Survey Report for the Proposed Alameda Corridor From the Ports of Long Beach and Los Angeles to Downtown Los Angeles in Los Angeles County, California	Other research		X	19-174982, 19-174983, 19-174984, 19-174985, 19-174986, 19-174987, 19-174988, 19-174989, 19-174990, 19-174991, 19-174992, 19-174993, 19-174994, 19-177331, 19-180778, 19-180779, 19-180780, 19-180781, 19-180782, 19-180783, 19-180784, 19-180785, 19-188887, 19-188888	Starzak, Richard
LA-04764	1999	Cultural Resource Assessment for Pacific Bell Mobile Services Facility La 666-01, County of Los Angeles, California	Literature search		X		Duke, Curt

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-04834	1999	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Anaheim, Los Angeles and Orange Counties	Archaeological, Field study	X		19-186110, 19-186111, 30-176630	Ashkar, Shahira
LA-04835	1999	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Riverside, Los Angeles and Riverside Counties	Archaeological, Field study		X	19-186109, 19-186112, 19-187090	Ashkar, Shahira
LA-05129	2000	Archaeological Monitoring at La Golondrina Café, Olvera Street, Pueblo De Los Angeles State Historic Park	Monitoring		X	19-167020	Greenwood, Roberta S.
LA-05131	1999	Negative Archaeological Survey Report: 119910	Archaeological, Field study	X			Iverson, Gary
LA-05201	2001	Archaeological Assessment of the Proposed Hazardous Materials Storage Building at the Central Maintenance Facility, Los Angeles	Archaeological, Field study		X	19-001575	Foster, John M.
LA-05203	2001	Archaeological Monitoring Report: Soil Test Pit Excavation for the Siqueiros Mural Project, El Pueblo De Los Angeles	Excavation, Monitoring		X		Foster, John M.
LA-05410	1978	El Pueblo De Los Angeles State Historic Park Resource Management Plan	Management/planning	X			Reinoenl, Gary
LA-05425	2001	Emergency Recovery Actions at CA-LAN-2828, Los Angeles County, California	Excavation		X	19-002828	Bissell, Ronald M.
LA-05436	2001	Monitoring Report: El Pueblo De Los Angeles Historic Monument	Monitoring	X			Greenwood, Roberta S.
LA-05437	1980	An Archaeological Review and Tests for the Tree Planting Program, El Pueblo De Los Angeles State Historic Park	Excavation	X			Chace, Paul G.
LA-05446	2001	Report for Monitoring: Sewer Pipe Repair at Alameda and Arcadia Streets, Los Angeles	Monitoring	X			Savastio, Scott A.
LA-05450	2001	Archaeological Monitoring Report: Los Angeles Web Host 900 South Alameda Street, Los Angeles, California	Monitoring	X		19-000007	Savastio, Scott A.
LA-05451		The Va Outpatient Clinic Project	Archaeological, Field study		X	19-000007	Padon, Beth
LA-06085	2003	A Phase I Archaeological Study for the Proposed Eugene Obregon Congressional Medal of Honor Memorial Within Father Serra Park and El Pueblo De Los Angeles State Historic Park, City of Los Angeles, Los Angeles County, California	Archaeological, Field study		X		Wlodarski, Robert J.
LA-06087	1996	The Metropolitan Water District of Southern California Headquarters Facility Project Archival Documentation for the Southern Ramp and Service Wing at Union Station, Los Angeles	Architectural/historical, Evaluation, Management/planning	X			Lisecki, Lee
LA-06343	2001	Archaeological Monitor Report: Sewer Line Trenching for the Avila Adobe Interpretive Center, El Pueblo De Los Angeles	Monitoring		X	19-000887	Foster, John M.

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PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-06344	2001	Archaeological Assessment of the Proposed Hazardous Materials Storage Building at the Central Maintenance Facility, Los Angeles	Archaeological, Field study, Other research		X		Foster, John M.
LA-06359	2001	Archaeological Monitor Report the Los Angeles Gas Works 513 North Main Street	Monitoring		X	19-002891	Hale, Alice E.
LA-06363	2000	Construction of the Homeboy Bakery, Los Angeles, Los Angeles	Evaluation, Literature search		X		Flores, Xochi
LA-06375	2002	Highway Project to Close Vignes Street On-ramp and the Hewitt Street On-/off Ramps to Us-101 and to Construct New On-/off Ramps to the South at Garey Street in the City of Los Angeles	Archaeological, Field study		X		Sylvia, Barbara
LA-06377	2002	Cultural Resource Assessment Cingular Wireless Facility No. Sm 141-05 Los Angeles County, California	Literature search		X		Duke, Curt
LA-06381	1993	General Services Administration Design and Installation of Security Measures for the United States Courthouse Located at 312 North Spring Street, Los Angeles, California	Architectural/historical		X	19-173225	Byrens, Joan
LA-06382	1999	The Metropolitan Water District of Southern California Headquarters Facility Project the People of Yaanga?: Archaeological Investigations at CA-LAN-1575/h	Excavation	X		19-001575	Goldberg, Susan K., Bradley J. Adams, Carole Denardo, Scott A. Williams, Marilyn J. Wyss, Mark C. Robinson, Jill A. Onken, and Melinda C. Horne
LA-06840	2003	Phase I Archaeological Survey Former Aliso Street Mgp Site Los Angeles, California	Archaeological, Field study		X		Budinger, Fred E., Jr.
LA-06841	2003	Plaze De Cltura Y Arte Invironmental Impact Report Volume I, Draft Eir Sch No. 2001 101 167	Management/planning	X			Unknown
LA-07425	2004	City of Los Angeles Monumental Bridges 1900-1950: Historic Context and Evaluation Guidelines	Architectural/historical, Evaluation		X		McMorris, Christopher
LA-07544	2006	Archaeological Monitoring Program, Alameda Street/north Spring Street Arterial Redesign-phase 1, California	Monitoring	X		19-000007, 19-000887, 19-004320, 19-100542	Foster, John M.
LA-07545	2006	Mitigation of Impacts on the Zanja Madre Archaeological Feature, La Placita	Excavation		X		Slawson, Dana N.
LA-07546	2006	Archaeological Monitoring Program Final Report, La Placita Renovation and Winery Restroom Project, Los Angeles, California	Archaeological, Field study		X	19-000882	Foster, John M.
LA-07547	2003	Phase I Archaeological Survey/class Iii Inventory for the Hall of Justice Study Area, Los Angeles, Los Angeles County, California	Archaeological, Field study		X		Whitley, David S.

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PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-07551	2006	Mitigation of Impacts on an Archaeological Feature in the Winery El Pueblo De Los Angeles Historical Monument	Excavation	X			Foster, John M. and Kronzek, Lynn C.
LA-07552	2000	Archaeological Monitor Report: Waste Line Trenching for the Cielito Lindo Restaurant Olvera Street, El Pueblo De Los Angeles	Excavation, Monitoring		X		Hale, Alice E.
LA-07556	2006	Archaeological Monitoring Report Earthquake Repair and Replacement Sewer Unit 338 (w.o. E2003260) El Pueblo De Los Angeles and Environs Los Angeles, California	Monitoring		X	19-100515	Slawson, Dana N.
LA-07557	2006	Archaeological Monitoring Report Sewer Line Repair Project El Pueblo De Los Angeles and Environs Los Angeles, California	Monitoring		X	19-100515	Slawson, Dana N.
LA-07558	2004	Archaeological Monitor Report Alameda Street Improvements	Monitoring	X		19-000007	Hale, Alice E. and Scott Savastion
LA-07564	1998	Archaeological Status Report: Collections and Reports	Architectural/historical, Excavation, Other research	X		19-001575, 19-001945, 19-002393, 19-002394, 19-002563	Greenwood, Roberta S.
LA-07888	2004	Archaeological Resources Assessment for the Proposed Public Safety Facilities Master Plan Project, City of Los Angeles, California	Archaeological, Field study		X	19-003347, 19-186944	Strauss, Monica
LA-08026	1985	Treatment Plan for Potential Cultural Resources Within Proposed Metro Rail Subway Station Locations in Metropolitan Los Angeles, California	Management/planning, Other research	X			Carrico, Richard L.
LA-08252	1986	Request for Determination of Eligibility for Inclusion in the National Register of Historic Places/Historic Bridges in California: Concrete Arch, Suspension, Steel Girder and Steel Arch	Architectural/historical, Evaluation, Other research		X		Snyder, John W., Mikesell, Stephen, and Pierzinski
LA-08514	2004	Historical Assessment and Technical Report for the Proposed Public Safety Facilities Master Plan, Los Angeles, California	Other research		X	19-186882, 19-186883, 19-186884, 19-186885, 19-186886, 19-186887, 19-186888	Gregory, Carrie and Margarita Wuellner
LA-08515	2005	Historical Evaluation Report for the Downtown Bus Maintenance and Inspection Facility, Los Angeles, California	Architectural/historical, Evaluation, Other research		X	19-186945	Wuellner, Margarita J.
LA-08519	1997	The Metropolitan Water District of Southern California Headquarters Facility Project; Union Station, Los Angeles, California	Excavation		X		Various
LA-08521	2004	A Phase I Archaeological Study for the William Mead Homes Site (1300 N. Cardinal Street) Bounded by North Main Street, Elmyra Street, Leroy Street and the Sprr Line, City of Los Angeles, County of Los Angeles, California	Archaeological, Field study		X		Wlodarski, Robert J.
LA-08525	2004	Archaeological Monitoring Report, Veteran Memorial, El Pueblo De Los Angeles, Los Angeles Street and Alameda Street, Los Angeles,	Monitoring		X		Rehberger, Linda H. and Peter Messick
LA-08530	2006	Supplemental Report: Archaeological Monitoring Program, Alameda Street/north Spring Street, Arterial Redesign - Phase 1, California	Monitoring	X		19-003549	Hale, Alice E.
LA-08532	2004	Archaeological Monitor Report: the Plaza House, 507-511 North Main Street, Los Angeles, California	Monitoring		X	19-002891	Hale, Alice E. and Scott Savastio

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Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-08533	2004	Archaeological Monitor Report: the California Endowment, Downtown Headquarters and Conference Center Project, Los Angeles, California	Monitoring, research Other		X	19-003181	Hale, Alice E. and Scott Savastio
LA-08537	2006	Cultural Resource Records Search Results and Site Visit for T-mobile Candidate La03612a (alameda and Macy), 701 North Main Street, Los Angeles, Los Angeles County, California	Archaeological, Field study		X		Bonner, Wayne H.
LA-08541	2005	Cultural Resource Records Search Results and Site Visit for Cingular Telecommunications Facility Candidate La-057-01, (el-005-01), Dwp Equipment Yard, 433 East Temple Avenue, Los Angeles, Los Angeles County, California	Archaeological, Field study		X		Bonner, Wayne H.
LA-08995	2007	Historic American Building Survey (habs)	Architectural/historical, Evaluation		X	19-002793	Howell-Ardila, Deborah and Carmack, Shannon
LA-09095	2005	Cultural Resources Records Search Results and Site Visit for Cingular Candidate EI-005-02 (devon Storage) 801 East Commerical Street, Los Angeles, Los Angeles County, California	Archaeological, Field study		X		Bonner, Wayne H.
LA-09661	2009	Puestos Utility Upgrade Project, Olvera St., El Pueblo De Los Angeles	Monitoring	X		19-000007	Greenwood, Roberta S., Dana N. Slawson, and Alice Hale
LA-09844	2001	Draft: Los Angeles Eastside Corridor, Revised Cultural Resources Technical Report, Final Supplemental Environmental Impact Statement/Final Subsequent Environmental Impact Report	Archaeological, Architectural/historical, Field study, Management/planning, Other research	X		19-000007, 19-000887, 19-001575, 19-002563, 19-150194, 19-150195, 19-150196, 19-150197, 19-150198, 19-150199, 19-150200, 19-150201, 19-150202, 19-150203, 19-150204, 19-150205, 19-150206, 19-150207, 19-150208, 19-150210, 19-150211, 19-150213, 19-150214, 19-150215, 19-150216, 19-150217, 19-150218, 19-150219, 19-150220, 19-150221, 19-150222, 19-150223, 19-150224, 19-150225, 19-150226, 19-150227, 19-150228, 19-150229, 19-150230, 19-150231, 19-150232, 19-150233, 19-150235, 19-150236, 19-150237, 19-150238, 19-150239, 19-167030, 19-167081, 19-171159, 19-172755, 19-174939, 19-174940, 19-174943, 19-174945, 19-174950, 19-174957, 19-174968, 19-174971, 19-174974, 19-174975, 19-174976, 19-175328, 19-176600, 19-187722	Anonymous
LA-10149	2009	Finding of no adverse effect: US 101 from Alameda Street Underpass to Barham Boulevard Overcrossing	Architectural/historical, Evaluation	X		19-188479	Stewart, Noah M.
LA-10397	2001	Draft Final: Archaeological Monitoring Along the Pacific Pipeline	Monitoring	X		19-000007, 19-000990, 19-000991, 19-000992, 19-001141, 19-001305, 19-001575, 19-001834, 19-002058, 19-002116, 19-002117, 19-002118, 19-002119, 19-002120, 19-002372, 19-002373, 19-002374, 19-002375, 19-002480, 19-002578, 19-002579, 19-002580, 19-002581, 19-002582	Berryman, Judy and Craig Woodman

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PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-10421	2010	Historic American Building Survey (HABS) for the Plaza House and Vickrey-Brunswig Building in Support of LA Plaza de Cultura y Artes Project	Architectural/historical, Evaluation		X		Ayvazian, Ani
LA-10507	1983	Technical Report - Historical/Architectural Resources - Los Angeles Rail Rapid Transit Project "Metro Rail" Draft Environmental Impact Statement and Environmental Impact Report	Archaeological, Evaluation, Field study, Other research	X			Anonymous
LA-10543	2003	Archaeological Initial Study Report and mitigation plan for the San Fernando Valley MRT Fiber Optic Line Project, Cities of Canoga Park, Burbank and Los Angeles, California	Archaeological, research Other	X		19-000007, 19-000887, 19-001575, 19-002563, 19-002741, 19-002828, 19-002924, 19-002928, 19-002959, 19-003100, 19-003101, 19-003103	Gust, Sherri
LA-10606	2010	Final Archaeological Assessment for the Temple Street widening project, City of Los Angeles, California	Monitoring, research Other		X	19-004112, 19-004113	Dietler, Sara, Adela Amaral, and Linda Kry
LA-10638	2010	Preliminary Historical/ Archaeological Resources Study, Southern California Regional Rail Authority (SCRRA) River Subdivision Positive Train Control Project, City of Los Angeles, Los Angeles County, California	Archaeological, Field study		X	19-001575, 19-003777, 19-180827, 19-186112, 19-186804, 19-186859, 19-188229, 19-188246, 19-188524	Tang, Bai "Tom"
LA-10641	2010	Preliminary Historical/Archaeological Resources Study, San Bernadino Line Positive Train Control Project, Southern California Regional Rail Authority, Counties of Los Angeles and San Bernadino	Archaeological, Field study		X		Tang, Bai "Tom"
LA-10772	1979	Historic Building Survey - Los Angeles Downtown People Mover Program Report for Determination of Eligibility	Architectural/historical, Evaluation	X		19-166859, 19-166929, 19-166934, 19-166939, 19-166940, 19-166958, 19-167276, 19-170976, 19-173078, 19-173080, 19-173081, 19-173104	Hatheway, Roger
LA-10805	2009	Cultural Resources Mitigation Compliance Report for the Metro Gold Line Eastside Extension, City of Los Angeles, California. For the Period 2004 to 2006	Monitoring		X		Gust, Sherry and Amy Glover
LA-10806	2010	Addendum-Paleontological and Cultural Resource Compliance Monitoring Report, Los Angeles County, Metropolitan Transit Authority, Eastside Gold Line Transit Corridor Project	Monitoring		X	19-004171, 19-004172, 19-004173, 19-004174, 19-004175, 19-004176, 19-004177, 19-004178, 19-100881, 19-100882, 19-100883, 19-100884, 19-100885, 19-100886, 19-100887	Loftus, Shannon L.
LA-10856	2004	Cultural Resource Monitoring and Mitigation Plan for the Los Angeles County Metropolitan Transportation Authority Eastside Gold Line Transit Corridor, Los Angeles, Los Angeles County, California	Monitoring		X		Glenn, Brian K. and Sherri Gust
LA-10894	2000	Archaeological/Historical Assessment of the Proposed Hazardous Materials Storage Building at the Central Maintenance Facility, Los Angeles	Archaeological, Field study		X	19-001575	Foster, John
LA-10936	2008	Historic Property Survey Report: 07, LA, 101, 07-LA-101, 07-21870, 07-4776, 4S3000 - Union Station, Los Angeles Plaza Historic District	Other research	X			Stewart, Noah

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-11048	2009	American Recovery and Reinvestment Act (ARRA) Funded Security Enhancement Project (PRJ29112359) - Improved Access Controls, Station Hardening, CCTV Surveillance System, and Airborne Particle Detection at Los Angeles Station and Maintenance Yard, LA, CA	Archaeological, Field study	X		19-001575, 19-171159, 19-186110, 19-186112	Speed, Lawrence
LA-11115	1999	Final Report: Historical Archaeology at the Headquarters Facility Project Site, the Metropolitan Water District of Southern California	Excavation	X			Costello, Julia G., Adrian Praetzellis, Mary Praetzellis, Erica S. Gibson, Judith Marvin, Michael D. Meyer, Grace H. Ziesing, Susan K. Goldberg, Sherri M. Gust, Madeleine Hirn, William Marvin Mason, Elaine-Maryse Solari, and Suzanne B. Stewart
LA-11141	2003	Positive Archaeological Survey Report Plaza Substation Transportation Museum El Pueblo de Los Angeles, California	Archaeological, Field study		X	19-000007, 19-000887, 19-001575, 19-002889, 19-002891, 19-002959, 19-003120, 19-100434	Foster, John M.
LA-11142	1992	Historic Structures Report - Plaza Substation, Olvera Street El Pueblo de Los Angeles Historic Monument	Other research		X		Unknown
LA-11165	2001	Draft - Environmental Impact Statement, United States General Services Administration, GSA Document Number: ZCA81642/1999 Los Angeles U.S. Courthouse, Los Angeles, California	Management/planning	X			Carnevale, Mike
LA-11242	2001	Los Angeles Union Station, TEA-21 Improvements Section 106 Review, FTA Project Number CA-03-0504-01	Management/planning	X		19-171159	Johnson McAvoy, Christy
LA-11270	2011	Installation of Carbon dioxide monitors in historic courtrooms at the United States Courthouse, 312 North Spring Street, Los Angeles, CA	Other research		X		Lehman, Jane
LA-11338	2011	Cultural Resource Records Search and Site Survey, AT&T Site EL0005 (51029) Perm-Devon Storage LTE 801 East Commercial Street, Los Angeles, Los Angeles County, California 90012 CASPR #3551015656	Archaeological, Field study		X	19-000887, 19-001575, 19-003169, 19-003338, 19-003840, 19-004112, 19-173075, 19-173558, 19-186110, 19-186945, 19-188242, 19-188248, 19-188249, 19-188250, 19-188791, 19-188792	Loftus, Shannon
LA-11353	2011	Historic Architectural Resource Finding of Evaluation Summary, AT&T Site (51029) Perm-Devon Storage 801 East Commercial Street, Los Angeles, Los Angeles County, California 90012, CASPR #3551015656	Architectural/historical, Evaluation		X	19-188242	Loftus, Shannon
LA-11487	2011	City of Los Angeles, City Hall East Window Safety Film Replacement, LPDM-PJ-09-CA2008-010	Other research		X		Meyer, Donna

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-11642	2012	Westside Subway Extension Project, Historic Properties and Archaeological Resources Supplemental Survey Technical Reports	Archaeological, Field study, Other research		X	19-000159, 19-001261, 19-002563, 19-002610, 19-003169, 19-003336, 19-003338, 19-003339, 19-003340, 19-003352, 19-003353, 19-003683, 19-004112, 19-004113, 19-004174, 19-004192, 19-004193, 19-100882, 19-150194, 19-150195, 19-167175, 19-170997, 19-170998, 19-171001, 19-173043, 19-173045, 19-173051, 19-173428, 19-174110, 19-175235, 19-175237, 19-177029, 19-177101, 19-177312, 19-177313, 19-177314, 19-177320, 19-186804, 19-187307, 19-187308, 19-188522, 19-188524, 19-189247, 19-189249, 19-189250, 19-189253, 19-189262, 19-189263, 19-189267, 19-189268, 19-189269, 19-189270, 19-189273, 19-189274, 19-189304, 19-189305, 19-189306, 19-189308, 19-189313, 19-189314, 19-189315, 19-189316	Daly, Pam and Sikes, Nancy
LA-11651	2011	Digging up the Remains of Early Los Angeles: The Plaza Church Cemetery	Archaeological, Field study, Other research		X	19-004218, 19-167106	Hackel, Steven
LA-11682	2011	Los Angeles Union Station/Metrolink SCRRRA Reconstruction of Platform 7 Project Faunal Findings Report/Cultural Resources Services	Excavation, Monitoring	X			O'Neil, Stephen
LA-11710	2011	Regional Connector Transit Corridor Draft Environmental Impact Statement/ Draft Environmental Impact Report, Appendix Y Cultural Resources-Archaeology	Management/planning		X	19-000887, 19-003097, 19-003103, 19-003338, 19-003339, 19-003352, 19-003588, 19-150195, 19-150196, 19-166842, 19-166934, 19-167489, 19-170974, 19-170984, 19-172123, 19-173078, 19-173080, 19-173174, 19-173344, 19-174925, 19-186619, 19-186620, 19-186621, 19-186622, 19-186882, 19-186883, 19-186888, 19-188406, 19-190513, 19-190521, 19-190545, 19-190548, 19-190551, 19-190553, 19-190554, 19-190555, 19-190556, 19-190557, 19-190558, 19-190559, 19-190561, 19-190562	Unknown
LA-11782	2012	Judge's Chambers, 16th Floor, U.S. Courthouse, 312 N. Spring St., Los Angeles, CA	Other research		X		Lehman, Jane
LA-11785	2012	Final Environmental Impact Statement/Final Environmental Impact Report for the Westside Subway Extension	Management/planning		X		Rogers, Leslie
LA-11817	2012	Not Dead But Gone Before: The Archaeology of Los Angeles City Cemetery (CA-LAN-3566)	Excavation, Other research		X	19-003566	Amaral, Adela, Dietler, John, Dietler, Sara, Ehringer, Candace, Gibson, Heather, Gross, Charlane, Murray, Samantha, Melmed, Anamay, Ramirez, Robert, Strauss, Monica, and Wallace, James
LA-11914	2011	U.S. Federal Courthouse, 312 North Spring Street Los Angeles, California. Update of 1986 Historic Structure Report, Final	Architectural/historical, Evaluation		X	19-173225	Unknown

**TABLE 6.1.1-1
PREVIOUS SURVEYS AND REPORTS WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Report No.	Year	Report Title	Report Type	Within Proposed Project Property	Within 0.25 Mile	Relevant Identified Resources	Authors
LA-11915	2011	Interested Parties Consultation for Union Station/Patsaouras Plaza El Monte Busway Station Project, Reference #FTA 100802A	Architectural/historical, Evaluation	X			Gurrola, Manuel
LA-12061	2012	Cultural Resources Monitoring Report for the Siqueiros Mural Shelter, Viewing Platform, and Interpretive Center Project	Monitoring		X	19-000007, 19-000043, 19-000047, 19-004196, 19-167020, 19-171556	Slauson, Dana and Kay, Michael
LA-12244	2003	Draft Cultural Resources Technical Report Antique Block El Pueblo de Los Angeles Historic Monument Los Angeles, California	Architectural/historical, Evaluation		X	19-171613	Carey, Alice and Sugaya, Hisashi
LA-12421	2000	Terminal Annex, Los Angeles California	Architectural/historical, Evaluation	X			Sorenson, John
LA-12583	2014	La Plaza Cultural Village Project Draft Environmental Impact Report Volume I	Archaeological, Architectural/Historical, Evaluation, Field study, Management/planning		X	19-000007, 19-000887, 19-001112, 19-001575, 19-002791, 19-002928, 19-002929, 19-002959, 19-003103, 19-003129, 19-003181, 19-003549, 19-003566, 19-004196, 19-004200, 19-004201, 19-004202, 19-004218, 19-004320, 19-100446, 19-100515, 19-120014, 19-120015, 19-120028, 19-167016, 19-167019, 19-167020, 19-167099, 19-167104, 19-167106, 19-167182, 19-170973, 19-170974, 19-171159, 19-171556, 19-171566, 19-171572, 19-171574, 19-171578, 19-171579, 19-171580, 19-171581, 19-171582, 19-171583, 19-171584, 19-171585, 19-171586, 19-171587, 19-171588, 19-171589, 19-171590, 19-171591, 19-171592, 19-171593, 19-171594, 19-171595, 19-171596, 19-171597, 19-171598, 19-171599, 19-171600, 19-171601, 19-171602, 19-171603, 19-171605, 19-171606, 19-171611, 19-171613, 19-173078, 19-173140, 19-173174, 19-173225, 19-175558, 19-186620, 19-186621, 19-190545, 19-190559, 19-190561, 19-190562, 19-190784	Unknown

**TABLE 6.1.2-1
CULTURAL RESOURCES LOCATED WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Primary	Resource Type	Age	NRHP Eligibility	Within or Adjacent to Project Property	State or Local Eligibility	Description
P-19-001575	Site	Multi-component	Eligible	Within	Eligible	1860-1930s Chinatown and Native American cemetery
P-19-003549	Site, Element of district	Historic		Within		El Pueblo de Los Angeles Winery
P-19-004320	Site	Historic		Within		Alameda St Improvement Project Arch Site
P-19-004660	Site	Historic		Adjacent		EastCesar E. Chavez Ave, Macy St; Los Angeles Railway, B-line
P-19-167020	District	Historic		Within		Los Angeles Plaza Historic District
P-19-170973	Building	Historic	Listed	Adjacent	Listed	Los Angeles Terminal Annex Post Office
P-19-171159	Building	Historic	Listed	Within	Listed	Los Angeles Union Station
P-19-186112	Structure	Historic		Adjacent		Union Pacific RR, Southern Pacific R R Los Angeles Division
P-19-187085	Other	Historic		Within		The Mojave Rd; CHL - 963
P-19-188246	Building	Historic		Adjacent		Mission Tower, AT & SF Tower; Former address: 1440 Alhambra
P-19-192235	Building	Historic		Adjacent		Los Angeles County Sheriff's Men's Central Jail
P-19-000007	Site	Multi-component		Adjacent		UNION STATION; LA CHINATOWN
P-19-000887	Site	Historic	Nominated	Within	Eligible	Las Placitas, La Placita de Dolores
P-19-001112	Site	Historic		Adjacent		OLD PLAZA CHURCH
P-19-002791	Building, Structure, Site	Historic		Within		Pico-Garnier Block, El Pueblo de Los Angeles
P-19-002828	Site	Historic		Adjacent		William Mead Homes Site 1
P-19-002928	Site	Historic		Adjacent		Los Angeles Gas Works
P-19-002929	Building, Structure, Site, Element of district	Historic		Adjacent		Pelanconi House (La Golondrina Café); El Pueblo de Los Angeles State Historic Park
P-19-003103	Structure, Site	Protohistoric, Historic		Adjacent		Zanja Madre (Water Conveyance Feature)
P-19-003169	Site	Historic		Adjacent		AE-UPT-01H
P-19-003181	Site	Historic		Adjacent		J. M. Griffith Co. Planing Mill and Lumber Yard
P-19-004171	Site	Historic		Adjacent		Little Tokyo/Art District Station
P-19-004183	Site	Historic		Adjacent		College Street Pavement
P-19-004196	Building, Site	Historic		Adjacent		Hammel Building Archaeological Component; in El Pueblo de Los Angeles
P-19-004200	Site	Historic		Adjacent		Alameda Street Brick Pavement,
P-19-004201	Site	Historic		Adjacent		Naud's Junction
P-19-004202	Site	Historic		Adjacent		North Alameda Street Railroad Tracks, Southern Pacific Railroad
P-19-004218	Site, Element of district	Historic		Adjacent		Los Angeles Plaza Cemetery, Campo Santo; Campo Santo; El Pueblo de Los Angeles State Park District
P-19-004601	Site	Historic		Adjacent		2872-Blossom Plaza-1
P-19-004648	Site	Historic		Adjacent		DIV13-H-001
P-19-004649	Site	Historic		Adjacent		DIV13-H-002
P-19-004650	Site	Historic		Adjacent		DIV13-H-003
P-19-004651	Site	Historic		Adjacent		DIV13-H-004
P-19-004652	Site	Historic		Adjacent		DIV13-H-005
P-19-004653	Site	Historic		Adjacent		DIV13-H-006
P-19-004654	Site	Historic		Adjacent		DIV13-H-007
P-19-004655	Site	Historic		Adjacent		DIV13-H-008
P-19-004656	Site	Historic		Adjacent		California Star Winery
P-19-004657	Site	Historic		Adjacent		DIV13-H-010
P-19-004658	Site	Historic		Adjacent		Southern California Gas Company Macy Street Plant
P-19-004659	Site	Historic		Adjacent		DIV13-H-012
P-19-004661	Site	Historic		Adjacent		Cudahy Packing Company
P-19-004662	Site	Prehistoric		Adjacent		DIV13-P-001- Isolated Human Remain
P-19-100446	Isolate	Historic		Adjacent		Privies/dumps/trash Scatters; Walls/fences
P-19-100515	Isolate	Prehistoric, Historic		Adjacent		City Sewer Repair, El Pueblo Area - Isolate

**TABLE 6.1.2-1
CULTURAL RESOURCES LOCATED WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Primary	Resource Type	Age	NRHP Eligibility	Within or Adjacent to Project Property	State or Local Eligibility	Description
P-19-120014	Site	Historic		Adjacent		Merced Theater Trash Scatter
P-19-167016	Building	Historic		Adjacent		Old Plaza Fire House
P-19-167017	Site	Historic		Adjacent		Los Angeles Plaza; Plaza Park/ Plaza Area
P-19-167019	Building	Historic		Adjacent		Avila Adobe
P-19-167098	Building	Historic		Adjacent		San Antonio Winery
P-19-167099	Structure, Site	Historic		Adjacent		Site of the Los Angeles Star
P-19-167104	Site	Historic		Adjacent		Bella Union Hotel Site
P-19-167106	Site	Historic		Adjacent		First Cemetery Site of Los Angeles
P-19-167182	Building	Historic		Adjacent		Plaza Substation, MTA Building
P-19-171556	Building, Element of district	Historic		Adjacent		Hammel Bldg, Machine Shop 1; El Pueblo de Los Angeles
P-19-171566	Building	Historic		Adjacent		Merced Theater
P-19-171572	Building	Historic		Adjacent		Pico House; Pico Hotel
P-19-171574	Building	Historic		Adjacent		Chevron Station
P-19-171578	Building	Historic		Adjacent		Flora's
P-19-171579	Building	Historic		Adjacent		Yee Mee Loo
P-19-171580	Building	Historic		Adjacent		Shanghai Pastry
P-19-171581	Building	Historic		Adjacent		Kwong On Lung Importers
P-19-171582	Building	Historic		Adjacent		Kim Kee Restaurant
P-19-171583	Building	Historic		Adjacent		G W Market
P-19-171584	Building	Historic		Adjacent		Sam Sing Co
P-19-171585	Building	Historic		Adjacent		Solaris Restaurant
P-19-171586	Building	Historic		Adjacent		China Commercial Co
P-19-171587	Building	Historic		Adjacent		New Spring Grocery Co
P-19-171588	Building	Historic		Adjacent		Macy Liquor; El Ya Qui Restaurant
P-19-171589	Building	Historic		Adjacent		638 N Spring St
P-19-171590	Building	Historic		Adjacent		Moctezuma Inn
P-19-171591	Building	Historic		Adjacent		China Town Teen Post
P-19-171592	Building	Historic		Adjacent		King San Co
P-19-171593	Building	Historic		Adjacent		Y Sing Seafood; Sing Lee Hotel
P-19-171594	Building	Historic		Adjacent		Sing Lee Theatre
P-19-171595	Building	Historic		Adjacent		Magic Dragon Gift Shop
P-19-171596	Building	Historic		Adjacent		International Grocery Co
P-19-171597	Building	Historic		Adjacent		LA Trade Co Market
P-19-171598	Building	Historic		Adjacent		Sunshine Co; Mon Kee Restaurant
P-19-171599	Building	Historic		Adjacent		656 New High St
P-19-171600	Building	Historic		Adjacent		648 New High St
P-19-171601	Building	Historic		Adjacent		638-644 New High St
P-19-171602	Building	Historic		Adjacent		618 New High St
P-19-171603	Building	Historic		Adjacent		Cathay Realty
P-19-171605	Building	Historic		Adjacent		Public Defenders Office; Brunswick Drug Co, Laboratory
P-19-171606	Building	Historic		Adjacent		LA County Service Bldg
P-19-171611	Building	Historic		Adjacent		LA County Superior Court (Juvenile Courts Div); Brunswig Drug Co, Packing & Warehouse
P-19-171613	Building	Historic		Adjacent		Brunswig Annex; L A Gas Co
P-19-173075	Building	Historic		Adjacent		Brew 102 Casa de Luis Vignes; Offices of El Clamor Publico
P-19-173078	Building, Element of district	Historic		Adjacent		Los Angeles City Hall
P-19-173140	Building	Historic		Adjacent		Nuestra Senora La Reina De Los Angeles
P-19-173174	Building, Element of district	Historic		Adjacent		Hall of Justice, Los Angeles County Jail

**TABLE 6.1.2-1
CULTURAL RESOURCES LOCATED WITHIN ONE-QUARTER MILE OF PROJECT SITE**

Primary	Resource Type	Age	NRHP Eligibility	Within or Adjacent to Project Property	State or Local Eligibility	Description
P-19-173225	Building, Element of district	Historic		Adjacent		U.S. Post Office & Courthouse; Federal Bldg; Los Angeles Federal Building; United States Courthouse
P-19-174908	Structure	Historic		Adjacent		Lugo Adobe (site of)
P-19-175558	Building	Historic		Adjacent		720 N Spring St
P-19-176368	District	Historic		Adjacent		DWP; General Services Headquarters
P-19-186110	Structure	Historic		Adjacent		Union Pacific RR, Hobart Tower
P-19-186882	Building, Element of district	Historic		Adjacent		Parker Center Police Department; Police Facilities Bldg
P-19-186887	Structure	Historic		Adjacent		Portable Parking Structure; Tinker Toy Parking Structure; City of Los Angeles Parking Lot 3
P-19-186888	Structure, Object, Element of district	Historic		Adjacent		L A Police Memorial
P-19-186945	Building	Historic		Adjacent		462 E Commercial St
P-19-188242	Building	Historic		Adjacent		Kahn-Beck Co, Friedman Bag Co-Textile Division; Devon Self Storage
P-19-188247	Building	Historic		Adjacent		Beer Warehouse; Amay's Bakery & Noodle Co
P-19-188248	Building	Historic		Adjacent		Thomas R Barrabee Store & Warehouse
P-19-188249	Building	Historic		Adjacent		Los Angeles Casing Co; Mr Hong Kong
P-19-188250	Building	Historic		Adjacent		LAUSD District 8 Facilities Services & Maintenance; Amelia Ave School & Class Rooms
P-19-188791	Building	Historic		Adjacent		Friedman Bag Co, Storage Bldg
P-19-188792	Building	Historic		Adjacent		New York Junk Co
P-19-190545	Building, District	Historic		Adjacent		Los Angeles Civic Center Historic District
P-19-190552	District, Element of district	Historic		Adjacent		Downtown Los Angeles Street Features
P-19-190560	Building, Element of district	Historic		Adjacent		Angeles City Hall East
P-19-190562	Building, Element of district	Historic		Adjacent		Federal Building, North Los Angeles Field Office
P-19-190784	Building	Historic		Adjacent		Colima Restaurant

6.1.3 Archaeological Resources

P-19-000887. This historic site on the east side of El Pueblo de Los Angeles consists of artifacts and structural remains dating from the Spanish period through the 1950's. The archaeological deposits remain intact and sealed beneath the La Placita de Dolores Pedestrian Mall.

P-19-001575. This multicomponent site consists of the ca. 1860-1930s Chinatown and a Native American cemetery. Much of the site is under extant structures associated with Union Station. Monitoring of construction for the Metro-Rail Subway to the east of Union Station revealed substantial deposits of Chinese artifacts, architectural remains, and other cultural features. CA-LAN-1575H was originally recorded by John Foster of Greenwood & Associates in 1989 during archaeological monitoring efforts associated with the Metro-Rail Subway Project. Mechanical excavations by Applied EarthWorks, Inc. for the Metropolitan Water District's new Headquarters Facility to the southeast of Union Station discovered historical features including hundreds of privies, wells, and structural foundations.⁷⁴ Mechanical excavations and archaeological monitoring by Applied EarthWorks, Inc. for the construction of the Headstart Building in the southwest corner of the Union Station Parking lot and the Village Apartment Project to the north of Union Station led to the documentation of 11 historic features. These features included refuse deposits, wood structural remains, and wood conduits associated primarily with Chinese artifacts.

A prehistoric Native American cemetery was discovered during monitoring in the northwestern corner of the 4.3-acre parcel that was being excavated for an underground parking facility.⁷⁵ The site is immediately southeast of the Union Station Passenger Terminal across Alameda Street from El Pueblo de los Angeles. The fill overlaying the site from the 1930s construction of the Union Station complex ranges from 1 to 3 feet under the asphalt parking lot, garage structure, and courtyard areas, and up to 24 feet under the raised track area along the east side of the parcel.

The cemetery contained 23 features, seven cottonwood projectile points, shell and stone beads, a steatite bowl and a stone pipe fragment. The cemetery may have been associated with the ethnohistoric village of Yaanga, which was reportedly located in the vicinity of El Pueblo de Los Angeles. Radiocarbon dates from material within the features of the cemetery range from 1,000 before present (B.P.) to 130 B.P. Five of the burials were interments that dated between 1,000 B.P. and 150 B.P. The two most recent burials, dated to 130 and 140 B.P., were cremations.⁷⁶

P-19-003549. This historic site consists of the El Pueblo De Los Angeles Winery. The remains of an adobe brick structure and a subterranean cistern filled with artifacts were recorded in 2006 by A. Corder of Greenwood and Associates at the El Pueblo de Los Angeles Historical Monument.⁷⁷

P-19-004320. This historic site consists of a collection of disturbed artifacts without association on the west side of Alameda Street between Los Angeles St. and East Cesar E. Chavez Avenue. The

⁷⁴ Metropolitan. 1998. Historical Archaeology at the Headquarters Facility Project Site, The Metropolitan Water District of Southern California, Volume 1, Data Report: Recovered data, Stratigraphy, Artifacts, and Documents.

⁷⁵ Goldberg et al. 1999. The People of Yaanga?: Archaeological Investigations at CA-LAN-1575/H, The Metropolitan Water District of Southern California Headquarters Facility Project.

⁷⁶ Goldberg et al. 1999. The People of Yaanga?: Archaeological Investigations at CA-LAN-1575/H, The Metropolitan Water District of Southern California Headquarters Facility Project. 120.

⁷⁷ Foster, et al. 2006. Mitigation of Impacts on an Archaeological Feature in the Winery, El Pueblo de Los Angeles Historical Monument. Greenwood and Associates.

collection of the artifacts dating to between the 1860s and 1920s occurred during monitoring for the Alameda St. Improvement Project in 2006.

P-19-187085. The Mojave Road ran from Drum Barracks near the LA harbor through downtown LA and the Cajon Pass and across the Mojave Desert to the Nevada state line. Originally a Native American trail, the federal government used the Mojave Road as a supply and mail route. Subsequently, the Mojave Road became a freight and emigrant wagon route and a recreational trail. The road lost importance in 1883 with the completion of the railroad across the Mojave Desert.

6.1.4 Historic Architectural Resources

P-19-167020. The El Pueblo de Los Angeles State Historic Park District is made up of the Plaza House (Garnier Block), the Vickrey/Brunswig Building, the Brunswig Annex (demolished), the Plaza Methodist Church, and the Plaza Community Center (Biscailuz Building). The Plaza House was built in 1883 as a combination hotel and commercial building. The Vickrey/Brunswig Building was constructed by Ofield Vickrey in 1888 as a commercial building. The Brunswig Annex was constructed in 1897. The Plaza Methodist Church was built in 1926. The Plaza Community Center (Biscailuz Building) was built in 1926. The Plaza House and Vickrey/Brunswig Building are located outside of the project site, but will be taken into consideration in the Area of Potential Effects (APE) to facilitate evaluation of the setting.

P-19-170973. The Post Office Terminal Annex was completed in 1938. The Post Office Terminal Annex is a Spanish colonial style building which is in keeping with the design of LA Union Station. The main architectural features of the Terminal Annex buildings are two domed towers.

P-19-171159. Los Angeles Union Station was opened in 1939. It is 850 feet long with a smooth textured concrete edifice designed in a Spanish-Moorish style with Streamline and Moderne influence.

Additionally, Los Angeles Union Station was listed in the NRHP in 1990. The NRHP nomination includes the main buildings that constitute the passenger terminal and associated service areas, the passenger platforms, canopies, and railroad tracks. Los Angeles Union Station is significant for its historical association with the development of railroad transportation and for the quality of its architectural design.

Terminal Tower. Union Station Terminal Tower (Terminal Tower), an interlocking tower, served Southern Pacific Railroad, Union Pacific Railroad, and Atchison, Topeka & Santa Fe (AT&SF) Railway. It is located at the throat of Los Angeles Union Station's railyard at 314 Bouchet Street. Constructed in concert with Los Angeles Union Station in 1938, Terminal Tower is an integral component for managing train travel by allowing trains to change tracks. Terminal Tower is a three-story Spanish Colonial Revival style building. Terminal Tower was included in the Los Angeles Union Station NRHP nomination; however, it was not identified as a character-defining feature of the historic property.

Terminal Tower was taken out of service when control was centralized in Pomona in 1997. The building is now used for storage and maintenance activities. Although not used for its original purpose, Terminal Tower is an integral component of the Los Angeles Union Station complex through its architectural design, and is a contributing feature of the NRHP-listed historic property. Terminal Tower is located outside of the project site.

Macy Street Undercrossing. The Macy Street (now East Cesar E. Chavez Avenue) Undercrossing (Bridge No. 53C-0131) is significant because it carries vehicular traffic under the railroad tracks. The Macy Street Undercrossing is a cast-concrete structure that allows four lanes of vehicle traffic to flow uninterrupted. Its design is similar to the Vignes Street Undercrossing and the Los Angeles Union Station retaining walls.

Macy Street Undercrossing was designed by Merrill Butler, City of Los Angeles Bureau of Engineering. Butler is known for his graceful bridge designs that reflected the City Beautiful Movement, notably the 6th Street Viaduct, and is considered a master engineer. As an integral component of the Los Angeles Union Station complex, the Macy Street Undercrossing is a contributing feature of the NRHP-listed historic property. The Macy Street Undercrossing is located outside of the project site.

Vignes Street Undercrossing. The Vignes Street Undercrossing (Bridge No. 53C-1764) also carries vehicular traffic under the railroad tracks. The Vignes Street Undercrossing is similar in design and functions as the Macy Street Undercrossing, and was designed by Merrill Butler. As an integral component of the Los Angeles Union Station complex, the Vignes Street Undercrossing is a contributing feature of the NRHP-listed historic property. The Vignes Street Undercrossing was constructed as part of LAPT, but technically is located immediately north of the LAPT historic property boundary and The Vignes Street Undercrossing is located outside of the project site.

Car Repair/Supply Shop. The Car Repair/Supply Shop was built in 1937 and is located near the intersection of East Cesar E. Chavez Avenue (formerly Macy Street) and Avila Street. Although utilitarian in design, the building has continuously been used to support the railroads which service Los Angeles Union Station. Therefore, the Car Repair/Supply Shop is an integral component of the Los Angeles Union Station complex, and is a contributing feature of the NRHP-listed historic property. The Car Repair/Supply Shop is located outside of the project site (Figure 6.1.4-1, *National Register of Historic Places-Listed Properties*).

P-19-186112. The Union Pacific Railroad is a standard gauge railroad which runs through the LA area. The Southern Pacific was constructed in the 1870s through the Los Angeles area. The line came under the control of the Union Pacific Railroad in 1996 when they acquired Southern Pacific Railroad.

P-19-188246. Mission Tower is an Atchison, Topeka & Santa Fe Railway interlocking tower constructed in 1916. It was enlarged in 1938 to monitor railroad traffic coming to and from Union Station. It replaced an earlier Santa Fe Railway tower at Mission Junction that was constructed in 1894.

P-19-192235. The Los Angeles County Men's Central Jail complex was constructed from 1960 to 1963. Additions were made in the 1970s, 1980s, and 1990. Before construction of the jail, the Los Angeles Pressed Brick Company operated on this site until it merged with Gladding Mcbean in 1926. The property was sold to LA County for the development of the jail and the plant was demolished in 1960.

6.1.5 Paleontological Resources

Surficial sediments throughout the entire area consist of younger Quaternary Alluvium, derived as fluvial deposits from the floodplain of the Los Angeles River nearby to the east. These deposits



FIGURE 6.1.4-1
National Register of Historic Places - Listed Properties

typically do not contain significant vertebrate fossils, at least in the uppermost layers, but at relatively shallow depth they may be underlain with older sedimentary deposits that do contain significant vertebrate fossils. The closest vertebrate fossil locality from older Quaternary deposits beneath the younger Quaternary Alluvium is LACM 2032, east of the project site near the intersection of Mission Road and Daly Street on the eastern side of the Golden State Freeway (Interstate 5), that produced fossil specimens of pond turtle (*Clemmys mamorata*), ground sloth (*Paramylodon harlani*), mastodon (*Mammuthus americanum*), mammoth (*Mammuthus imperator*), horse (*Equus*), and camel (*Camelops*), at a depth of 20 to 35 feet below the surface. The pond turtle specimens from locality LACM 2032 were published in the scientific literature by B.H. Brattstrom and A. Sturn.⁷⁸ Just north of locality LACM 2032, near the intersection of Workman Street and Alhambra Avenue, excavations for a storm drain recovered fossil specimens of turkey (*Meleagris californicus*), sabre-toothed cat (*Smilodon fatalis*), horse, and deer (*Odocoileus*), at an unstated depth. A specimen of the turkey from this locality was published in the scientific literature by D. W. Steadman.⁷⁹

Five other locations have shown fossiliferous sediments in the area. Locality LACM 4726, situated 1.5 miles (2.4 kilometers) west of Union Station, yielded fish fossils from the marine Fernando Formation which underlay Recent alluvium at this location as in the project area. Locality LACM 3868, situated 2 miles (3.2 kilometers) west-northwest of Union Station, yielded fish fossils from the Fernando Formation. Locality LACM 3250, situated 2 miles (3.2 kilometers) northwest of Union Station, yielded fossil remains of extinct mammoth from subsurface Pleistocene older alluvium overlain by recent alluvium. Localities LACM 1198 and LACM 7137, located 5 miles (8 kilometers) west-northwest from Union Station, yielded fossil remains of mastodon, camel and bison from Pleistocene older alluvium.

There is the potential for Pleistocene and Miocene sediments to be present in the subsurface in and around the project site, but it is not known at what depth below the surface they may occur.

6.1.6 Native American Sacred Sites and Human Remains

The NAHC was requested to conduct an updated search from their Sacred Lands File (SLF) for the presence of Native American sacred sites or human remains within the project site and quarter-mile buffer on April 21, 2016.⁸⁰ An NAHC SLF record search was conducted for the project site and quarter-mile buffer on April 22, 2016.

The NAHC response to the request stated, "A record search of the NAHC [SLF] was completed for the area of potential effect (APE) for the above referenced project. Records of sites were found in the Los Angeles USGS Quadrangle."⁸¹

The NAHC identified six contacts of culturally affiliated tribes to consult regarding potential sites within the project area. Letters were sent to the contacts on May 12, 2016. An additional contact

⁷⁸ Sturn A. 1959. A new species of fossil turtle from the Pliocene of Oregon, with notes on other fossil *Clemmys* from western North America. *Bulletin of the Southern California Academy of Sciences*, 58(2):65-71

⁷⁹ Steadman, D. W. 1980. A Review of the Osteology and Paleontology of Turkeys (Aves: Meleagridinae). *Contributions in Science*, Natural History Museum of Los Angeles County, 330:131-207

⁸⁰ Dustin Keeler, Sapphos Environmental, Inc., Pasadena, CA. 21 April 2016. Letter to Native American Heritage Commission, Sacramento, CA.

⁸¹ Totton, Gayle, Native American Heritage Commission, Sacramento, CA. 25 April 2016. Letter response to Elizabeth Carvajal, Metro.

who was not on the NAHC list, John Tommy Rosas of the Tongva Ancestral Territorial Tribal Nation, requested consultation pursuant to AB 52 during the scoping period. Mr. Rosas requested the ability to be present during geotechnical borings that are undertaken in support of the project. He requested a discussion with Native American representatives on the characterization of the potential to encounter tribal cultural resources in conjunction with each of the stages of development anticipated in conjunction with the proposed project. He also requested a discussion of performance-based mitigation measures to be considered in the EIR. Joseph Ontiveros of the Soboba Band of Luiseno Indians replied by email on June 14, 2016, stating that the Soboba Band does not have any specific concerns regarding known cultural resources in the specified areas that the project encompasses, but they do request that the appropriate consultation continue to take place between concerned tribes, project proponents, and local agencies. The Soboba Band of Luiseno Indians also requests that approved Native American monitors be present during any future ground-disturbing proceedings, including surveys and archaeological testing, associated with the project.

Letters were sent to the Native American contacts on January 12, 2017. Robert Dorame responded to letter by phone on January 20, 2017. He requested consultation pursuant to AB 52 and requested that Native American monitors be present during construction. Andrew Salas responded by letter on February 10, 2017. He expressed concerns for cultural resources within the project area, stating that the project lies in an area where the ancestral territories of the Kizh (Kitc) Gabrieleño's prominent villages such as Hutukngna adjoined and overlapped with each other, at least during the Late Prehistoric and Protohistoric Periods. Due to the project location and the high sensitivity of the area location, he requested that one of their certified Native American monitors to be on-site during any and all ground disturbances (including but not limited to pavement removal, post holing, auguring, boring, grading, excavation and trenching) to protect any cultural resources that may be affected during construction or development.

6.2 RESULTS OF THE RECONNAISSANCE FIELD SURVEY

The reconnaissance pedestrian survey covered the entire project site where feasible. The forecourt (Figure 6.2-1, *Parking Lot Area within Site Ca-Lan-1575, View to East*), Alameda Street (Figure 6.2-2, *Southwest Corner of Los Angeles St. and Alameda St., View to North*), and Los Angeles Street (Figure 6.2-3, *West Side of Union Station Parking Lot, View to South*) project sites were approximately 80 percent hardscaped and 20 percent landscaped. Ground visibility ranged from 0 to 50 percent within the landscaped areas. The Arcadia Street project sites were 100 percent hardscaped (Figure 6.2-4, *North Side of Arcadia St. West of Los Angeles St., View to Northwest*). There was no native soil observed throughout the project sites. Ground disturbance in the project site included road grading and excavation for utilities.. However, based upon the results of the record search, the project site possesses a high level of sensitivity for archaeological resources.



FIGURE 6.2-1
Parking Lot Area within Site Ca-Lan-1575, View to East



FIGURE 6.2-2
Southwest Corner of Los Angeles St. and Alameda St., View to North



FIGURE 6.2-3
West Side of Union Station Parking Lot, View to South



FIGURE 6.2-4
North Side of Arcadia St. West of Los Angeles St., View to Northwest

SECTION 7.0

CONCLUSIONS AND RECOMMENDATIONS

This section of the Cultural Resources Technical Report (Report) provides the conclusions and recommendations for minimizing potential impacts to cultural resources from the proposed project.

There are five (5) previously recorded archaeological resources and three (3) previously recorded historic built resources within the proposed project sites. There were no archaeological resources observed within the proposed project sites as a result of the field investigation. There is a high probability to encounter archaeological resources based on the inherent characteristics and location of the project sites.

There are three (3) previously recorded historic built resources within the proposed project sites. There is a high probability to encounter historic resources based on the inherent characteristics and location of the project sites.

There were no cemeteries or burial sites observed as a result of the field investigation or in the review of historic topographic maps. There is a moderate probability to encounter human remains based on the inherent characteristics and location of the project sites.

As a result, Sapphos Environmental, Inc. recommends the following mitigation measures be implemented for the project so that there are no adverse effects to archaeological or historic resources:

Mitigation Measure MM-CULTURAL-1: *Archaeological and Historical Resources – Avoidance and Monitoring.* Completion of a Worker Education and Awareness Program (WEAP) for all personnel who will be engaged in ground-disturbing activities shall be required prior to the start of ground-disturbing activities. This shall include training that provides an overview of cultural resources that might potentially be found and the appropriate procedures to follow if cultural resources are identified. This requirement extends to any new staff prior to engaging in ground disturbing activities.

An environmental sensitive area shall be established through the use of construction fencing to minimize the potential for built environment resources to be damaged during construction activities.

Metro shall require monitoring by a qualified archaeologist of all ground-disturbing activities within 100 feet of known extant unique archaeological resources, significant historical resources, or tribal cultural resources (Confidential Appendix C- Previously Recorded Archaeological Resources). In addition, consultation shall be undertaken with the Native American tribal representatives designated by the NAHC to determine whether a Native American monitor shall also be present during all or a portion of the ground-disturbing activities.

In the event that previously unknown unique archaeological resources, significant historical resources, or tribal cultural resources are encountered during construction, the resources shall either be left *in situ* and avoided; or the resources shall be salvaged, recorded, and repositioned consistent with the provisions of a Phase III data recovery program consistent with the provisions of a Cultural Resources Management Plan. Data recovery is not required by law or regulation. It is,

however, the most commonly agreed-upon measure to mitigate adverse effects to archaeological sites eligible or listed under Section 106 Criterion D, as it preserves important information that would otherwise be lost.

Mitigation Measure MM-CULTURAL-2: Pre-Construction Testing. At the time of any ground-disturbing activities in soils that have been predominantly *in situ* during the past 50 years, records and archival information shall be reviewed to determine if there are any recorded unique archaeological resources, significant historical resources as defined in Section 15064.5(a) of the State CEQA Guidelines, or tribal cultural resources as defined in AB 52 in the project site. At a minimum, the records and archival review shall include a search of the South Central Coastal Information Center, a request for SLF records from the NAHC, and a request for information regarding tribal cultural resources from the Most Likely Descendants designated by the NAHC. The appropriate course of action shall be undertaken in light of the results of the records search:

- (A) Where the project site has been subject to a Phase I testing within two years of the proposed activity and no unique archaeological resources, significant cultural resources, or tribal cultural resources are known from the project site, work shall proceed per the provision of Mitigation Measure CULTURAL-1.
- (B) Where all or a portion of the project site has not been tested for cultural resources within two years of a proposed ground-disturbing activity, a qualified archaeologist who meets the Secretary of the Interior's professional qualification standards for archaeology shall conduct Phase I Testing to ascertain the presence or absence and depth of unique archaeological and/or significant historical resources, as defined in Section 15064.5 of the CEQA Guidelines.
 - a. If the testing determines no unique archaeological resources or significant historical resources, including potential tribal cultural resources, then the work shall proceed consistent with the provisions of MM-CULTURAL-1.
 - b. If the testing determines potential unique archaeological resources or significant historical resources, including potential tribal cultural resources, at a depth that will be affected by the ground-disturbing activities, one of two courses of action shall be employed:
 - i. Where avoidance is feasible, the ground disturbance shall be modified to avoid the potentially significant resource, and the work shall then proceed consistent with the provisions of MM-CULTURAL-1. An archaeological monitor shall be present during ground-disturbing activities. In addition, consultation shall be undertaken with the Most Likely Descendants designated by the NAHC to determine if a Native American monitor shall also be present during all or a portion of the ground-disturbing activities.
 - ii. Where avoidance is not feasible, a Phase II evaluation of the cultural resources shall be undertaken to determine the significance of the cultural resource. If the Phase II investigation identifies a unique/eligible cultural resource within the area proposed for ground-disturbing work, Metro shall determine whether to avoid the resource through redesign or proceed with a Phase III data recovery program consistent with the provisions of a Cultural Resource Management Plan. The work shall then proceed consistent with the provisions of MM-CULTURAL-1.

Mitigation Measure MM-CULTURAL-3: *Paleontological Resources – Paleontological Monitoring.* Impacts to cultural resources related directly or indirectly to the destruction of a unique paleontological resource from the proposed project shall be reduced to below the level of significance by monitoring, salvage, and curation of unanticipated paleontological resources discovered during ground-disturbing activities in previously undisturbed native soils located 6 or more feet below the ground surface that would have the potential to contact geologic units with a high to moderate potential to yield unique paleontological resources. Ground-disturbing activities include, but are not limited to, drilling, excavation, trenching, and grading. If paleontological resources are encountered during ground-disturbing activities, Metro shall require and be responsible for salvage and recovery of those resources consistent with standards for such recovery established by the Society of Vertebrate Paleontology.

Paleontological Resource Sensitivity Training shall be required for all project personnel prior to the start of ground-disturbing activities in geologic units with a moderate to high potential to yield unique paleontological resources. This shall include a brief field training that provides an overview of fossils that might potentially be found, and the appropriate procedures to follow if fossils are identified. This requirement shall extend to any new staff joining the project.

Construction monitoring by a qualified monitor (an archaeologist cross-trained in paleontology or a paleontologist) shall be implemented during all ground-disturbing activities that affect previously undisturbed geologic units 6 feet or more below the ground surface and have the potential to encounter geologic units with a moderate to high potential to yield unique paleontological resources. In the event that a paleontological resource is encountered during construction, all ground-disturbing activity within 100 feet of the find shall be halted until a qualified paleontologist can evaluate the significance of the discovery. Additional monitoring recommendations may be required. If the resource is found to be significant, the paleontologist shall determine the most appropriate treatment and method for removing and stabilizing the specimen. Curation of the any significant paleontological finds shall be required with a qualified repository, such as the Natural History Museum of Los Angeles County.

Within 90 days of the completion of any salvage operation or monitoring activities, a mitigation report shall be submitted to Metro with an appended, itemized inventory of specimens. The report and inventory, when submitted to Metro, shall signify the completion of the program to mitigate impacts to paleontological resources.

Mitigation Measure CULTURAL-4: *Regulatory Requirements – Human Remains.* In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are encountered during excavation activities, the County Coroner shall be notified within 24 hours of the discovery. No further excavation or disturbance of the site or any nearby areas reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains.

If the County Coroner determines that the remains are or are believed to be Native American, s/he shall notify the NAHC in Sacramento within 24 hours. In accordance with Section 5097.98 of the California PRC, the NAHC shall immediately notify the person(s) it believes to be the Most Likely Descendant of the deceased Native American. The descendants shall complete their inspection and make a recommendation within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with Metro, the disposition of the human remains. The Most Likely Descendant's recommendation shall be followed if feasible, and

may include scientific removal and non-destructive analysis of the human remains and any items associated with Native American burials. If Metro rejects the Most Likely Descendant's recommendations, the agency shall rebury the remains with appropriate dignity on the property in a location that will not be subject to further subsurface disturbance (14 California Code of Regulations §15064.5(e)).

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APPENDIX A
PERSONNEL RESUMES

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State University of New
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*Bachelor of Arts, Anthropology
emphasis in Archaeology
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- *Project Management*
- *Pedestrian Survey*
- *Data Recovery*
- *Archaeological/
Paleontological Monitoring*
- *Native American tribal
consultation*
- *Consultation with SHPO*
- *GPS (Trimble/Garmin)/
Geographic information
systems (GIS)*
- *Lithic Analysis*
- *Prehistoric Ceramic Analysis*
- *Historical Resource
Identification and Analysis*

Years of Experience: 17+

Relevant Experience:

- *CEQA/NEPA/ NHPA, Section
106 compliance*
- *Society of American
Archaeology*
- *Society for California
Archaeology*
- *Southern California Coastal
and Inland, Channel Islands,
Great Basin, and Central
American Archaeology*

Dr. Dustin Keeler, Senior Archaeological Resources Coordinator for Sapphos Environmental, Inc., has more than seventeen years of experience in the field of archaeology including project management, field direction, planning, technical writing, archaeological field survey, data recovery, construction monitoring, Geographic Information Systems and laboratory analysis.

As Senior Archaeological Resources Coordinator, Dr. Keeler has undertaken and contributed to work efforts for Historic and Prehistoric Archaeology in Los Angeles, San Diego, Imperial, Riverside, San Bernardino, Orange, Kern, San Luis Obispo, El Dorado, and Mono Counties. He has been involved in cultural resources investigations under Section 106 of the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA) and in consultation with the SHPO and Native American tribes in accordance with the Secretary of the Interior's Standards. Dr. Keeler has directed and performed archaeological field surveys, site recordation, mapping, construction monitoring, and data recovery. In addition, Dr. Keeler has performed laboratory analysis, including GIS spatial analysis, ceramic and lithic formal artifact analysis, and historical artifact analysis. He is also experienced in the management of archaeological GIS data.

Dr. Keeler is experienced using ArcGIS, GPS and Trimble. His responsibilities have included identification, analysis and interpretation of archaeological material, preparation of site records and preparation of reports. Dr. Keeler has experience collaborating with Native American Tribal representatives as well as City, County, State and Federal agencies and compliance with each of their respective regulations and codes, including but not limited to the State Historic Preservation Officer (SHPO), U.S. Army, U.S. Navy, California Department of Parks and Recreation, California Department of Public Works, Bureau of Land Management, and CALTRANS.

Dr. Keeler has presented original research at the Society for American Archaeology annual meeting. Current research interests include GIS intrasite and regional spatial analysis, marine adapted hunter-gatherers, and prehistoric Mojave desert archaeology.

Carrie E. Chasteen, M.S.

Senior Historic Resource Specialist

Master of Science, (Historic Preservation), School of the Art Institute of Chicago, Chicago, Illinois, 2001

Bachelor of Arts (History and Political Science), University of South Florida, Tampa, Florida, 1997

- *Cultural resources management and legal compliance*
- *History of California*
- *Identification and evaluation of the built environment*
- *Archival documentation*
- *Historic preservation consultation*

Years of Experience: 14

- *Oregon Transportation Investment Act (OTIA) III CS3 Technical Lead*
- *Historic Preservation Commission, City of Pasadena*
- *Phi Alpha Theta*
- *Architectural History*
- *Cultural History*

Carrie Chasteen has more than fourteen years of experience in the field of cultural resources and the built environment, including project management, agency coordination, archival research, managing large surveys, preparation of compliance reports, preparation of Environmental Impact Statement / Environmental Impact Report (EIS/EIR) sections, peer review, and regulatory compliance. She meets and exceeds the Secretary of the Interior's professional qualification standards in the fields of History and Architectural History.

Ms. Chasteen has served as Principal Investigator / Principal Architectural Historian on projects in Kern, San Bernardino, Riverside, Ventura, Los Angeles, Orange, Imperial, and San Diego counties in Southern California. She has experience in California, Oregon, Washington, Arizona, Nevada, Missouri, Illinois, Florida, West Virginia, Connecticut, New York, New Jersey, and Massachusetts. She has extensive experience with the California Office of Historic Preservation, the California Department of Transportation (Caltrans), San Bernardino Associated Governments (SANBAG), Los Angeles County Department of Parks and Recreation, the City of Los Angeles, and various state, county, and local government agencies.

Carrie Chasteen served as Principal Architectural Historian for the Interstate 10 (I-10) Corridor Project. For this project, Caltrans, in conjunction with SANBAG, proposes to improve the I-10 corridor by adding lane(s) and providing improvements along all or a portion of the existing 33-mile stretch of I-10 from approximately 2 miles west of the Los Angeles/San Bernardino county line in the City of Pomona to Ford Street in the City of Redlands. She provided consultation services for the Arcadia County Park Pool and Bathhouse Replacement Project, which included documenting and evaluating the park as a historic district for eligibility for inclusion in the National Register of Historic Places and the California Register of Historical Resources. Because the park was found to be eligible for listing in both registers, Ms. Chasteen provided additional consultation services to ensure the replacement pools and bathhouse were in compliance with the Secretary of the Interior's *Standards for the Treatment of Historic Properties* in order to minimize potential impacts to the historic district. Additional experience includes preparing Historic American Building Survey/Historic American Engineering Record (HABS / HAER) documentation for the former Caltrans District 7 headquarters building, Roosevelt Annex at the California Veterans' Home in Yountville, and the Space Flight Operations Facility, commonly referred to as Mission Control, a National Historic Monument, at the Jet Propulsion Laboratory (JPL) in Pasadena.

Carrie Chasteen is a member of the Society of Architectural Historians, National Trust for Historic Preservation, California Preservation Foundation, and Pasadena Heritage. Ms. Chasteen is also a Historic Preservation Commissioner for the City of Pasadena.

APPENDIX B
NATIVE AMERICAN CONSULTATION LETTER



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

January 10, 2017

Native American Contact
Address

RE: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014).
Formal Notification to undertake a Project, and Notification of Consultation Opportunity,
pursuant to Public Resources Code (PRC) § 21080.3.1.

Dear Native American Contact:

The Los Angeles County Metropolitan Transportation Authority (Metro) has decided to undertake the following project: Los Angeles Union Station Forecourt and Esplanade Improvements. Below please find a description of the proposed project, maps showing the project location (Figures 1–3), and the contact information for Ms. Elizabeth Carvajal, the Metro Project Manager, pursuant to PRC § 21080.3.1(d).

PROPOSED PROJECT

The proposed project generally includes improvements on Alameda Street, Arcadia Street, Los Angeles Street, and the Los Angeles Union Station (LAUS) Forecourt. The improvements include:

- On the east side of Alameda Street, a pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees, and eliminate one vehicle travel lane northbound on Alameda Street);
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound;
- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations;
- Partial closure of Los Angeles Street at Alameda/El Pueblo;
- Reconfiguration of the approximately 60-space parking lot in front of Union Station into the Forecourt as a civic space, sustainability components, and seating area;
- Changes to the northern driveway into Union Station from Alameda Street as part of a reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo Historic Monument across Alameda Street and into Los Angeles Street; and
- El Pueblo tourist bus parking zone at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street.

The proposed project is expected to result in subsurface ground disturbance through grading across the project area.

Project Location

The proposed project is located adjacent to and within LAUS, at 800 North Alameda Street, City of Los Angeles, California, 90012. LAUS is generally bounded by Highway 101 to the south, Alameda Street to the west, Cesar E. Chavez Avenue to the north, and Vignes Street to the east. The project area is generally bounded by Alameda Street to the west, Cesar E. Chavez Avenue to the north, Union Station to the east and Arcadia Street to the south. Specific project elements are located on Alameda Street from Arcadia Street in the south to Cesar Chavez Street in the north, Arcadia Street from Alameda Street to Spring Street, Los Angeles Street from El Pueblo to Union Station, and the Union Station Forecourt area. Adjacent to the project to the west there is the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles Historical Monument at 125 Paseo De La Plaza, and the Avila Adobe Museum at 10 Olvera Street.

Lead Agency Point of Contact

Los Angeles County Metropolitan Transportation Authority
Elizabeth Carvajal, Metro Senior Manager
One Gateway Plaza, Mail Stop 99-23-4, Los Angeles, CA 90012
Tel. (213) 922-3084
Email: carvajale@metro.net

Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with Metro.

Very Respectfully,

Ms. Elizabeth Carvajal
Metro Transportation Planning Manager

FIGURES:

1. Vicinity Map
2. Project Area Map
3. Topographic Map with USGS 7.5-minute Quadrangle Index

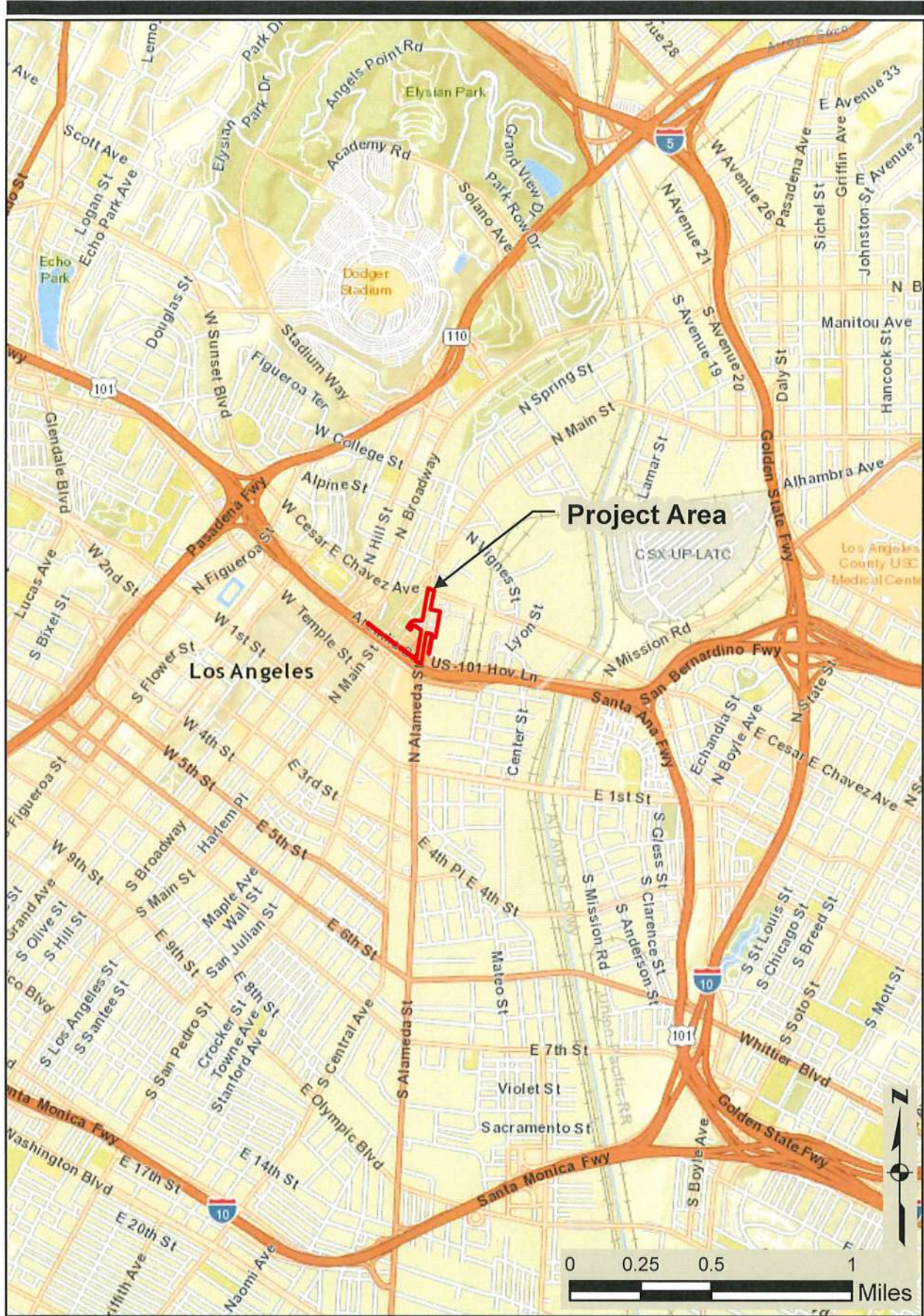


Figure 1. Vicinity Map



Metro

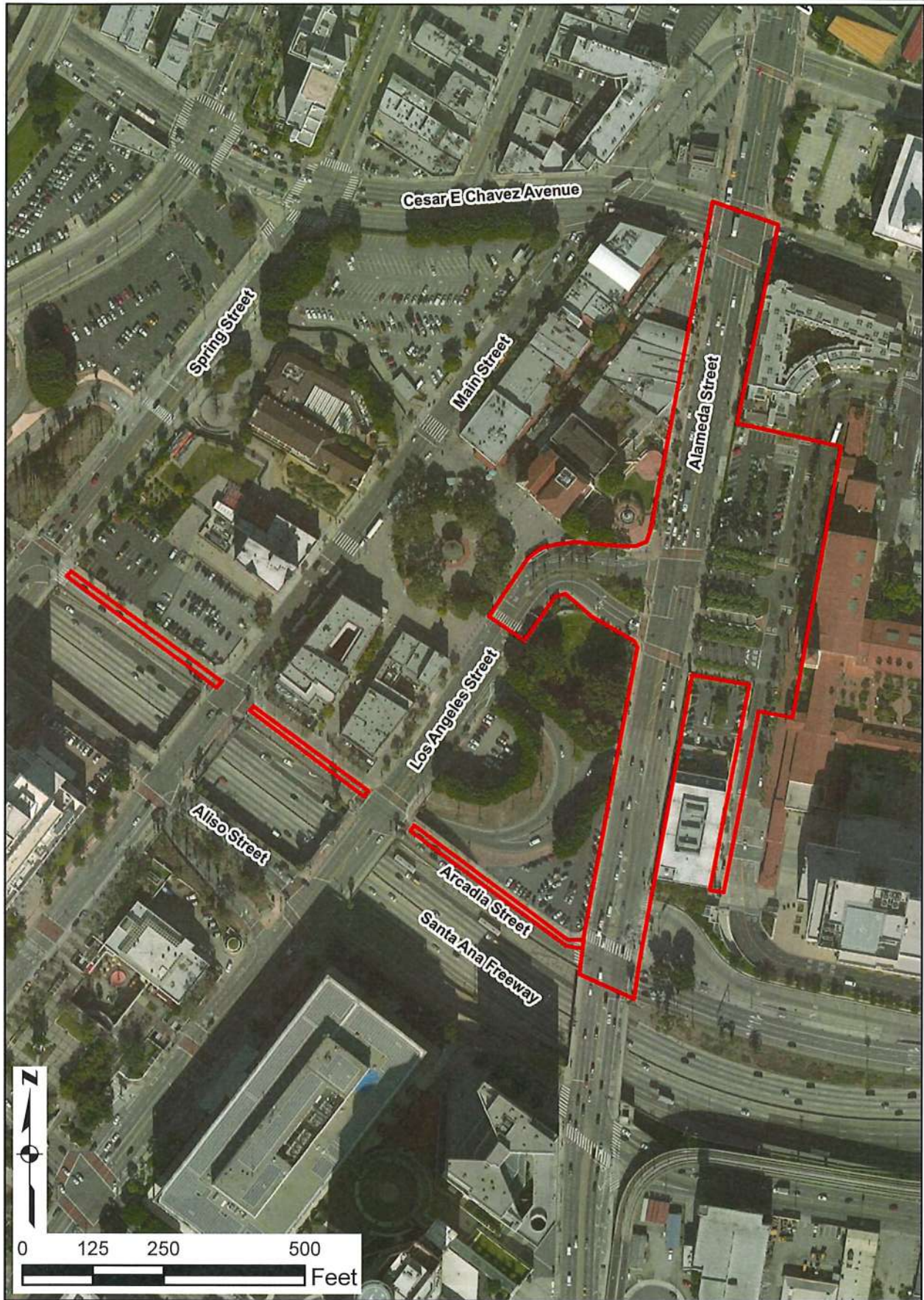


Figure 2. Project Area Map

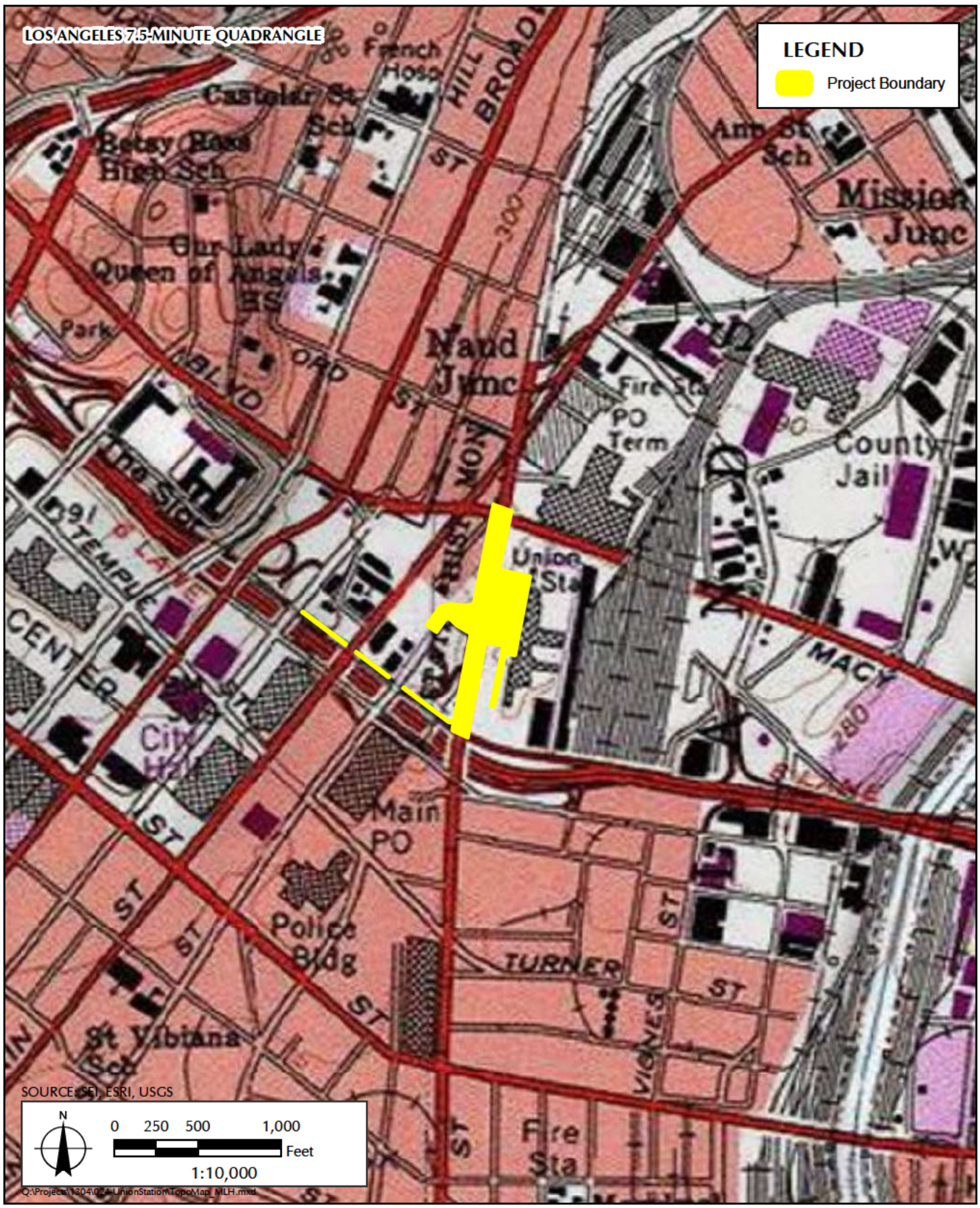


FIGURE 3
 Topographic Map with USGS 7.5-minute Quadrangle Index

***APPENDIX C
CONFIDENTIAL –
PREVIOUSLY RECORDED ARCHAEOLOGICAL RESOURCES***

Appendix E

Energy Worksheets

Fuel consumption from construction equipment

Construction Phase	# of equipment	Equipment Type	# hours/day	# days	Total Hours	Horsepower	Load factor	GAL/HR	Total Gallons
Demolition (removal of parking lot, trees)				40					
	1	Concrete Saw	8		320	81	0.73	15.30424	4897.355
	1	Rubber Tired Dozer	8		320	247	0.4	25.57176	8182.965
	3	Tractor/Loader/Backhoe	8		960	97	0.37	9.289176	8917.609
	2	Hydraulic Excavator	6		480	158	0.38	15.53976	7459.087
Grading				40					
	2	Grader	6		480	81	0.73	15.30424	7346.033
	1	Rubber Tired Dozer	6		240	247	0.4	25.57176	6137.224
Paving (including striping/new configuration on Alameda and Los Angeles St)				30					
	1	Cement and Mortar Mixer	4		120	9	0.56	1.304471	156.5365
	1	Pavers	6		180	130	0.42	14.13176	2543.718
	1	Paving Equipment	8		240	132	0.36	12.29929	2951.831
	1	Rollers	8		240	80	0.38	7.868235	1888.376
	1	Tractor/Loader/Backhoe	8		240	97	0.37	9.289176	2229.402
Site Preparation				30					
	1	Grader	8		240	187	0.41	19.844	4762.56
	1	Rubber Tired Dozer	8		240	97	0.37	9.289176	2229.402
	1	Tractor/Loader/Backhoe	8		240	97	0.37	9.289176	2229.402

Assumptions

HP and Load factors taken from CalEEMod

All diesel equipment

Diesel Off-road Construction Equipment 61931.5

Table 9 Conversions to load factor

Input data	Conversion	Result
Hourly fuel consumption	$\frac{X}{\text{engine power} \cdot 0,22} \cdot 0,85$	Load factor

Source: Klanfar, Mario, Tomislav Korman, and Trpimir Kujundžić. 2016. Fuel Consumption and Engine Load Factors of Equipment in Quarrying of Crushed Stone. Tehnički vjesnik 23 (1): 163-69.

Diesel On-Road Hauling Trips

Hauling Trip Number	Hauling Trip Length	Hauling Vehicles Miles Travelled (VMT)	Fuel in mpg*,**	Fuel Use (gallons)
227	20	4540	10	454

Gasoline On-Road Vendor Trips

Vendor Trip Number	Vendor Trip Length	Vendor VMT	Fuel in mpg*,**	Fuel Use (gallons)
350	6.9	2415	35.5	68

Gasoline On-Road Worker Trips

Worker Trip Number	Worker Trip Length	Worker VMT	Fuel in mpg*,**	Fuel Use (gallons)
1670	14.7	24549	35.5	692

* The EPA GHG standards require vehicles to meet an estimated combined average emissions level of 250 grams of CO2 per mile in model year 2016, equivalent to 35.5 miles per gallon (mpg). Source: CAFÉ standards

**DOE's SuperTruck program demonstrated over 40 percent improvement over 2010 levels, including 10.7 mpg by CumminsPeterbilt and 12.2 mpg by Daimler. Source: <https://www.gpo.gov/fdsys/pkg/FR-2016-10-25/pdf/2016-21203.pdf>

Fuel consumption during construction Summary Table

	Fuel Use(Gallons)
Diesel On-Road Vehicles	454
Gasoline On-Road Vehicles	760
Diesel Off-Road Construction Equipment	61,932
Gasoline Off-Road Construction Equipment	-

Appendix F

Hazardous Waste Initial Site Assessment



**HAZARDOUS WASTE INITIAL SITE ASSESSMENT
THE LOS ANGELES UNION STATION
FORE COURT AND ESPLANADE IMPROVEMENTS
PROJECT
LOS ANGELES, CALIFORNIA**

AUGUST 2, 2017

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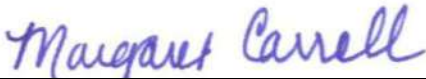
**ONLY THE CLIENT OR ITS DESIGNATED REPRESENTATIVES MAY USE THIS DOCUMENT AND ONLY FOR THE SPECIFIC
PROJECT FOR WHICH THIS REPORT WAS PREPARED.**

A Report Prepared for:

Ms. Elizabeth Carvajal
Metro Senior Manager
Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza
Mail Stop 99-23-4
Los Angeles, California 90012

**HAZARDOUS WASTE INITIAL SITE ASSESSMENT
THE LOS ANGELES UNION STATION - FORECOURT
AND ESPLANADE IMPROVEMENTS PROJECT
LOS ANGELES, CALIFORNIA**

Prepared by:



Margaret R. Carroll
Senior Professional

Reviewed by:



Lizanne Simmons, PG 7431
Senior Principal Geologist

KLEINFELDER
707 Wilshire Boulevard, Suite 1450
Los Angeles, California 90017
Phone: 213.622.3787

August 2, 2017
Kleinfelder Project No. 20161223.001A

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1 EXECUTIVE SUMMARY

Kleinfelder has prepared this Hazardous Waste Initial Site Assessment (ISA) for the Los Angeles County Metropolitan Transit Authority (Metro; the “Client”) for the Los Angeles Union Station (LAUS) Forecourt and Esplanade Improvements Project (Project). The Project is located adjacent to and within LAUS, at 800 North Alameda Street in the City of Los Angeles, California. LAUS is generally bound by Highway 101 to the south, Alameda Street to the west, Cesar E. Chavez Avenue (Cesar Chavez) to the north, and Vignes Street to the east. The Project area is generally bound by Spring Street to the west, Cesar Chavez to the north, Alameda Street and the LAUS Forecourt to the east, and Arcadia Street to the south (see Figure 1 – Project Area Location Map, Figure 2 – Project Vicinity Map).

The proposed Project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking on the northwest corner (approximately 60 spaces) of the LAUS property to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar Chavez and Arcadia Street) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade; reconfiguring the entrance from LAUS to the El Pueblo Historical Monument by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street and closure of the northern Union Station driveway; and re-purposing the northernmost travel lane on Arcadia Street and Spring Street into a tour bus parking area designated for El Pueblo de Los Angeles.

In addition, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

Information gathered and activities performed for this ISA were consistent with those required to address the Caltrans’ Initial Site Assessment (ISA) Checklist for Hazardous Waste (Appendix DD, Hazardous Waste, Project Development Procedures Manual, July 1, 1999). The completed ISA Checklist pursuant to Caltrans’ Guidelines is included in Appendix A. This report was also prepared (to the extent applicable) in general conformance with the guidelines in ASTM International (ASTM, formerly known as the American Society for Testing and Materials)

Designation E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the “Standard Practice”), which is the industry standard for performing ISAs (<http://www.dot.ca.gov/ser/vol1/sec3/physical/ch10haz/chap10.htm>).

The following is a summary of findings and recommendations based on the results of this Hazardous Waste ISA:

- The Project area consists of existing City of Los Angeles right-of-way along Alameda Street between Cesar Chavez and Arcadia Street, Arcadia Street between Alameda Street and Spring Street, and Los Angeles Street between El Pueblo de Los Angeles Historical Monument and LAUS. It also includes the LAUS Forecourt Area associated with Los Angeles County Assessor’s Identification Number (AIN) 5409-023-941.
- The Project is generally located between the El Pueblo de Los Angeles Historic Monument (west of Alameda Street) and LAUS (east of Alameda Street). El Pueblo de Los Angeles Historical Monument includes numerous specialty and souvenir shops, restaurants, museums, offices, a church, parks, and parking lots west of Alameda Street. LAUS encompasses a large area, which is generally bound by Cesar Chavez (north), Vignes Street (east), Highway 101 (south), and Alameda Street (west). The LAUS Forecourt area is part of the Project improvement area.
- The Project area has been developed since at least the late 1880s to early 1900s. Properties west of Alameda Street were generally developed with boarding rooms/shops associated with China Town, and winery structures since at least the early 1900s. A gasoline station occupied the property at the southwest corner of Alameda Street/Cesar Chavez between at least 1925 and 1965. The winery was no longer in operation by the mid-1960s and the structure uses were changed and incorporated as part of El Pueblo de Los Angeles Historical Monument. Properties east of Alameda Street were generally developed since at least the late 1880s. Various uses until the early 1950s have included a hotel, boarding houses, warehousing, automobile repair, winery, a fruit company, well and water pipe manufacturer, and numerous shops and boarding rooms associated with Chinese Quarters. By 1953, structures had been demolished and the property was associated with LAUS to the east.
- Railroad tracks were present along the center of Alameda Street since at least 1888 through 1970. Railroad track spurs were present branching from Alameda Street onto

properties to the east. Several spur tracks were apparent on the northern portion of the LAUS Forecourt parking area between at least 1920 and 1938. The potential presence of hydrocarbons, metals and persistent pesticides in soil along or adjacent to railroad tracks represents a potential environmental concern to the Project. If railroad tracks remain beneath existing pavement along Alameda Street and in the northern portion of the existing LAUS Esplanade and Forecourt area parking lot, then soil planned to be disturbed as part of the Project improvements in the vicinity of the railroad tracks should be sampled and analyzed for the potential presence of petroleum hydrocarbons, metals and persistent pesticides. The samples should be analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), California Code of Regulation (CCR) Title 22 Metals, and organochlorine pesticides (OCPs) using United States Environmental Protection Agency (US EPA) Methods 8015B(M), 8260B, 6010B/7471A, and 8081, respectively.

- Elevated concentrations of lead (from use of leaded gasoline) and other metals are sometimes associated with older roadways. Based on a review of historical sources, Alameda Street, North Los Angeles Street, and Cesar Chavez (formerly Macy Street) have been present since at least 1888. Arcadia Street has been present since the mid-1950s. The areas along these roadways appear to have been paved (e.g., sidewalks or pavement associated with developed adjoining properties) since the advent of wide leaded gas distribution. However, the potential exists for ADL to be present in shallow soil in unpaved areas along these roadways, or beneath existing pavement that may cover formerly exposed areas along these roadways, that were not observed during review of historical sources. Therefore, sampling for the presence of ADL is recommended in the unpaved areas within the Project area where soil disturbance is anticipated.
- Historical facilities within the Project area are not considered environmental concerns, based on information reviewed for this ISA. Several historical adjoining facilities located east of Alameda Street, may have used or stored hazardous materials, or generated hazardous waste. The narrow, eastern-most portion of the Project area located on LAUS property, passed through portions of sheds and warehouse buildings on these adjoining properties. A surface parking lot replaced these historical facilities by 1953, and by the mid-2000s, the existing office building had been constructed. Thus, these historical facilities are not considered environmental concerns. Although not anticipated, should impacted soil (as evidenced by staining and/or odors) be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be

implemented during construction activities. The resident engineer overseeing construction should have available field monitoring equipment (e.g., photoionization detector [PID]) to facilitate timely detection of potentially hazardous conditions in the field.

- Historical facilities located west of Alameda Street are not considered environmental concerns, with one exception. Based on historical information reviewed, a gasoline station occupied the property located at the southwest corner of Alameda Street and Cesar Chavez between at least 1950 and 1964. This property was redeveloped as a parking lot. The location of former underground storage tank (UST) systems, including USTs and fuel dispensers, disposition of UST systems, and potential undocumented releases are unknown. The potential exists for subsurface impacts to be present as a result of this former facility. It is recommended that soil sampling be performed along the west side of Alameda Street within the Project area in the vicinity of the former gasoline station. Soil samples should be analyzed for the presence of TPH, VOCs, and lead using US EPA Methods 8015B(M), 8260B, and 6010B, respectively. Other historical facilities located west of Alameda Street are not considered environmental concerns.
- Yellow traffic markings were observed on Alameda Street, Los Angeles Street, Arcadia Street, and on entry roads on LAUS property. Yellow traffic markings on Arcadia Street however, appear to be located outside the Project improvement areas. Yellow traffic markings (thermoplastic and paint) may potentially contain hazardous levels of lead chromate. If yellow traffic markings are removed separately from the adjacent pavement, the markings should be removed and sampled for lead chromate prior to construction, consistent with the current Caltrans' Standard Special Provision (SSP).
- Electrical transformers were observed within and adjoining to the Project area. One transformer was observed in the northern parking lot of the LAUS Forecourt area. No evidence of staining, or leakage from the transformers was observed. Should transformer removal be required as part of the Project, the local utility company should be notified for proper testing and removal.
- Based on information reviewed from the Division of Oil, Gas, and Geothermal Resources (DOGGR), the Project area is not depicted within the boundaries of a known oil or gas field, nor are oil or gas wells depicted within Project limits. The Los Angeles City Oil Field and Union Station Oil Field are located approximately 1,800 feet to the north and south of the Project area, respectively. Although not located within a known oil or gas field, it is possible that oil and gas seeps could be encountered in the Project area. Naturally-

occurring oil seeps have been documented along both sides of the Los Angeles River during the concrete lining of the river channel in 1940. Oil seeps were also found along the Los Angeles River between the US-101 and Cesar Chavez, and crude oil and gases were found in alluvial deposits along Mission Street. The resident engineer overseeing construction should have available field monitoring equipment (e.g., PID) to facilitate timely detection of potentially hazardous gases in the field. In addition, should oil seeps be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities.

- According to information reviewed on the National Pipeline Mapping System (NPMS), Plains Pipeline, L.P. operates a crude oil pipeline, which runs parallel to, and beneath North Alameda Street through the Project area. This pipeline (ID number 13937) is currently in service. No accidental releases or incidents were reported within the Project area. Although not anticipated, should impacted soil (as evidenced by staining and/or odors) be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities.
- Groundwater is not anticipated to be encountered in soil up to 20 feet below the ground surface (bgs), the anticipated depth of construction. Although excavation activities associated with the proposed Project are not anticipated to encounter groundwater, should groundwater be encountered during construction/excavation activities and dewatering become necessary, regulatory compliance and permitting consistent with Regional Water Quality Control Board (RWQCB) and National Pollutant Discharge Elimination System (NPDES) requirements should be adhered to, and groundwater sampling should be conducted.

2 INTRODUCTION

2.1 PURPOSE

The purpose of this ISA is to identify potential or known hazardous materials, hazardous waste and contamination, which may be present in the Project area. Information gathered and activities performed for this ISA were consistent with those required to address the Caltrans' Initial Site Assessment (ISA) Checklist for Hazardous Waste (Appendix DD, Hazardous Waste, Project Development Procedures Manual, July 1, 1999). The completed ISA Checklist pursuant to Caltrans' Guidelines is included in Appendix A. This report was also prepared (to the extent applicable) in general conformance with the guidelines in ASTM International (ASTM, formerly known as the American Society for Testing and Materials) Designation E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the "Standard Practice"), which is the industry standard for performing ISAs (Caltrans, <http://www.dot.ca.gov/ser/vol1/sec3/physical/ch10haz/chap10.htm>).

2.2 DETAILED SCOPE-OF-SERVICES

The following sections describe Kleinfelder's work scope:

- Section 3, Project Setting, is a compilation of information concerning the Project description, location, physical setting, and geologic and hydrogeologic conditions.
- Section 4, Records Review, is a compilation of Kleinfelder's review of several databases available from the Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Project site; and for off-site facilities within a 1-mile radius from the Project site. This section includes summaries of interviews and telephone conversations conducted by Kleinfelder with people, if available, knowledgeable about the Project area and local regulatory personnel. This section also presents information obtained from historical resources to supplement regulatory agency database records.
- Section 5, Visual Survey, describes Kleinfelder's Project area observations during the site reconnaissance and observations of adjacent parcels.
- Section 6, Evaluation, is a presentation of our findings and opinions regarding the information in Sections 3, 4 and 5, and presents our conclusions regarding the potential for hazardous waste involvement in the proposed Project.

- Section 7, References, is a summary of the resources used to compile this report.

The completed ISA Checklist pursuant to Caltrans' Guidelines is included in Appendix A of this report, and pertinent documentation regarding the Project area is included in Appendices B through D. Appendix E includes a Statement of Qualifications.

2.3 SIGNIFICANT ASSUMPTIONS

Kleinfelder does not guarantee the accuracy of the information supplied by its sources, but reserves the right to rely on this information in formulating a professional opinion on the potential for contamination at the Project site. Kleinfelder also assumes Metro provided all applicable and available environmental records and specialized knowledge regarding the Project. The Project conditions discussed herein are limited to readily-apparent environmental conditions observed. Kleinfelder has not made other significant assumptions during the performance of this ISA.

2.4 LIMITATIONS AND EXCEPTIONS

Environmental assessments are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. The attached report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help you understand and better manage your risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

No warranty, either express or implied is made. Environmental issues not specifically addressed in the report were beyond the scope of our work and not included in our evaluation.

Land use, Project conditions (both on-site and off-site) and other factors will change over time (e.g. Environmental Data Resources Inc. (EDR), The EDR Radius Map™ Report with GeoCheck®). Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings and opinions can be considered valid only as of the date of The EDR Radius Map™ Report with GeoCheck® (April 10, 2017). Additionally, Project conditions observed were limited to readily-apparent environmental conditions observed from accessible areas of the LAUS, and from public right-of-ways.

This report may be used only by the Client, the City of Los Angeles (City), and Caltrans, and the registered design professional in responsible charge, only for the purposes stated within a reasonable time from its issuance, but in no event later than 1 year from the date of The EDR Radius Map™ Report with GeoCheck® (expires April 10, 2018). Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Any party other than the Client, the City or Caltrans who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the Client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party and client agrees to defend, indemnify, and hold harmless Kleinfelder from any claim or liability associated with such unauthorized use or non-compliance.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the Project site, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. Client is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the Project site, either before or during performance of Kleinfelder's services. Client is responsible for directing all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

2.5 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were agreed to by Metro and Kleinfelder.

3 PROJECT SETTING

The Project setting is presented in this section and describes the condition of the Project area at the time of the ISA. The Project location is shown on Figures 1 and 2. Tables 1 through 3 summarize the physical characteristics of the Project area and adjacent properties.

3.1 PROJECT DESCRIPTION

The proposed Project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking northwest of the entrance to LAUS (approximately 60 spaces) to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia Street) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade on the eastside and wide sidewalks on the west; reconfiguring the entrance from LAUS to the El Pueblo de Los Angeles State Historic Park by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street and closure of the northern LAUS driveway on Alameda Street; and re-purposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo de Los Angeles.

In addition, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

There are seven key elements under consideration:

- On the east side of Alameda Street, a mixed-use pedestrian/bicycle esplanade (this esplanade will be a mixed use path with shade trees, and eliminate one vehicle travel lane northbound on Alameda Street)
- On the west side of Alameda Street, the sidewalks would be widened, eliminating one vehicle lane of traffic southbound

- New curbside vehicular drop-off zone(s) along the east side of Alameda Street at select locations
- Partial closure of Los Angeles Street at Alameda/El Pueblo de Los Angeles
- Reconfiguration of the approximately 60-space parking lot in front of LAUS into the Forecourt as a civic space, sustainability components, and seating area
- Closure of the northern driveway into LAUS from Alameda Street as part of a reconfigured entrance to LAUS to allow for an enhanced crosswalk to the El Pueblo de Los Angeles State Historic Park across Alameda Street and into Los Angeles Street
- El Pueblo de Los Angeles tourist bus parking zone at the curb along the eastern side of Arcadia Street from Alameda Street extending northwest to Spring Street

3.2 PROJECT SETTING

The information presented in Table 1 includes the physical location of the Project. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at City and/or County offices, interviews, and/or information provided by Metro.

**Table 1
Project Setting**

PARAMETER	INFORMATION/COMMENTS
LOCATION	The Project is located adjacent to, and within LAUS at 800 North Alameda Street, Los Angeles, California. The Project area is generally bound by Spring Street on the west, Cesar Chavez on the north, Alameda Street and Union Station Forecourt on the east, and Arcadia Street on the south (see Figure 1 – Project Area Location Map; Figure 2 – Project Vicinity Map).
ASSESSOR'S IDENTIFICATION NUMBERS	The Project area consists of existing City of Los Angeles right-of-way along Alameda Street between Cesar Chavez and Arcadia Street, Arcadia Street between Alameda Street and Spring Street, and Los Angeles Street between El Pueblo and Union Station. It also includes the Union Station Forecourt Area associated with AIN 5409-023-941.
ADDRESS(ES)	LAUS is associated with the address of 800 North Alameda Street. LAUS property is generally bound by Cesar Chavez (north), Vignes Street (east), Highway 101 (south), and Alameda Street (west).
SECTION, TOWNSHIP, AND RANGE	Township 1 South, Range 13 West, Sections 27 and 28, San Bernardino Meridian.
ZONING	Based on the City of Los Angeles online zoning information system (http://zimas.lacity.org/), the LAUS is zoned “ADP-RIO” for Regional Center Commercial General Plan Land Use in the Alameda District Specific Plan Zone. Those portions of the Project area situated within City of Los Angeles right-of-way are dedicated for highway use. According to the <i>Notice of Preparation for Los Angeles Union Station Forecourt and Esplanade Improvements, Environmental Impact Report</i> , dated December 22, 2016, the proposed Project is located within two City of Los Angeles planning areas: Central City North Community Plan, which includes the Project area west of Alameda Street; and, the Central City Community Plan, which includes the Project area east of Alameda Street.
ADJACENT LAND USE	<p><i>North of Intersection of Cesar Chavez and Alameda Street:</i> The Terminal Annex Building which changed from postal over to business operations (900 North Alameda Street), and a Chevron Gasoline Station (901 North Alameda Street) are located at the northeast and northwest corners of the intersection, respectively.</p> <p><i>East of Alameda Street:</i> Mozaic Apartments (880 and 888 North Alameda Street); LAUS (800 North Alameda Street), “First 5 LA” office building (750 Alameda Street), and MWD Headquarter (700 North Alameda Street).</p> <p><i>West of Alameda Street:</i> The El Pueblo De Los Angeles Historic Monument, which includes numerous specialty and souvenir shops, restaurants, museums, offices, a church, parks, and parking lots is located west of Alameda Street.</p> <p><i>North of Arcadia Street:</i> El Pueblo Parking Lots 4 and 5 (between Los Angeles and Alameda Streets); Garner Building (Chinese American Museum) and Masonic Hall (between Los Angeles Street and North Main Street); and, El Pueblo Parking Lot 1 and Plaza Parking (between North Main Street and North Spring Street).</p> <p><i>South of Arcadia Street:</i> Portions of Arcadia Street and the freeway.</p>

At the time of Kleinfelder’s assessment, land use in the immediate Project vicinity appeared to be used for commercial and transportation purposes. Table 2 presents information about the physical setting and regional geology of the Project area. This information was obtained from published maps.

**Table 2
Physical Setting**

DATA	GENERAL INFORMATION
USGS TOPOGRAPHIC QUADRANGLE	Based on a review of the United States Geological Survey (USGS) Los Angeles, California 7.5-Minute Series (Topographic) Quadrangle Map dated 1994, the Project area is generally situated at an approximate elevation of 280 feet above mean sea level (MSL) with the western extent along Arcadia Street reaching approximately 300 feet MSL. The topographic relief is generally flat in the Project area, sloping gently toward the east-southeast.
SOIL TYPE	The Project area is underlain by Holocene-age alluvial fan deposits, which consist of unconsolidated bouldery, cobbly, gravelly, sandy, or silty alluvial deposits on active and recently active alluvial fans and in some connected headward channel segments (Yerkes, R.F. and Campbell, R.H., 2005).
OIL AND GAS WELLS	<p>Kleinfelder reviewed the DOGGR Well Finder online database for oil and gas wells that may be located within the Project area. The Project area is not depicted within the boundaries of a known oil or gas field. In addition, no oil or gas wells are depicted within Project area limits, or in the immediate vicinity of the Project area. The nearest oil fields are the Los Angeles City Oil Field and Union Station Oil Field, which are located approximately 1,800 feet to the north and south of the Project area, respectively.</p> <p>Although not located within a known oil or gas field, it is possible that oil and gas seeps could be encountered in the Project area. Oil and gas seeps are natural springs where liquid and gaseous hydrocarbons (hydrogen-carbon compounds) arrive at the ground surface. Oil and gas seeps are fed by natural underground accumulations of oil and natural gas. Oil that leaks to the Earth's surface is eventually transformed from a clear fluid to a tar-like substance called asphaltum. The lighter components of the oil are lost to evaporation, and the remaining heavier oil is oxidized and degraded by bacteria until it becomes sticky and black (http://walrus.wr.usgs.gov/seeps/what.html). Naturally-occurring oil seeps have been documented along both sides of the Los Angeles River during the concrete lining of the river channel in 1940. Oil seeps were found along the Los Angeles River between the Highway 101 and Cesar Chavez, and crude oil and gases were found in alluvial deposits along Mission Street (Tetra Tech, 2003).</p> <p>A copy of the DOGGR Well Finder search results is provided in Appendix C.</p>

Information about the regional geology is presented in Table 3. This information was obtained by Kleinfelder from published data and maps, interviews with public agencies, and/or previous investigations performed by Kleinfelder in the Project vicinity.

Table 3
Regional Geology and Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
<p align="center">REGIONAL PHYSIOGRAPHY AND GEOLOGY</p>	<p>The Project is located within the Los Angeles Basin, near the boundary of the Transverse Ranges Province and the Peninsular Ranges Geomorphic Province. The Los Angeles Basin is a lowland coastal plain, 50 miles long by 20 miles wide, that slopes gradually southward and westward toward the Pacific Ocean. The mountain ranges include the Santa Monica and San Gabriel Mountains (located to the northwest of the Project area), and the Palos Verdes Hills to the southwest. The Transverse Ranges are characterized by an east-west trend consisting of a complex group of mountain ranges and valleys. The Transverse Ranges are comprised predominantly of sedimentary rocks, Mesozoic granitic rocks, and ancient Precambrian rocks of all types. The Peninsular Ranges Province is characterized by a series of northwest-southwest trending mountains and faults. These ranges are composed of metamorphosed sedimentary and volcanic rocks of Jurassic age (Gastil et al., 1981). The northern portion of the Peninsular Ranges Province is characterized by sedimentary deposits that constitute the Los Angeles Basin.</p>
<p align="center">REGIONAL HYDROGEOLOGY</p>	<p>The majority of the Project area, except the portion along Arcadia Street between Main Street and Spring Street, is located in the northern portion of the Central Groundwater Basin of the Los Angeles Coastal Plain. The Central Basin is bound to the north by the Hollywood Basin and the Elysian, Repetto, Merced, and Puente Hills, to the east by the Los Angeles County/Orange County line, and to the south and west by the Newport-Inglewood uplift (Water Replenishment District of Southern California [WRD], 2013). Groundwater in the Central Basin occurs in Holocene- and Pleistocene-age sediments at relatively shallow depths. The Central Basin is historically divided into Forebay and Pressure areas. The Project area is located in the northern most portion of the Central Basin Pressure area, which is the largest of four divisions. It contains many aquifers of permeable sands and gravels, separated by semi-permeable to impermeable sandy clay to clay, that extend to about 2,200 feet below the surface. The Pressure area includes the following formational units and aquifers: Alluvium (Gaspur and Semi-perched aquifers), Lakewood Formation (Gardena and Gage aquifers), and San Pedro Formation (Lynwood, Silverado, and Sunnyside aquifers) (DWR, 1961). The main source of potable groundwater in the Central Basin is from the deeper aquifers of the San Pedro Formation (including from top to bottom, the Lynwood, Silverado and Sunnyside aquifers), which generally correlate with the Main and Lower San Pedro aquifers of Orange County.</p>

Table 3 (continued)
Regional Geology and Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
<p align="center">DEPTH TO GROUNDWATER AND DIRECTION OF ANTICIPATED FLOW ¹</p>	<p>Regional groundwater water levels varied over a range of about 25 feet between 1961 and 1977, and have varied within a range of about 5 to 10 feet since 1996 (WRD, 2013). Based on regional data, the historic groundwater flow direction in the Central Basin has been from recharge areas in the northeast of the basin, toward the Pacific Ocean to the southwest. Pumping patterns have lowered the water level in large portions of the Central Basin. Project-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other factors.</p> <p>Based on a Soil and Groundwater Management Plan for the California Endowment Terminal Annex Property located approximately 400 feet northeast of the Project area, groundwater was encountered at depths between 22 and 32 feet below ground surface and flowed to the south-southwest (Geomatrix Consultants, Inc., 2004).</p>
<p align="center">REGIONAL GROUNDWATER QUALITY PROBLEMS</p>	<p>Regional groundwater quality problems in the Project area were not identified. However, impacted groundwater was noted to be present approximately 1,500 east of the Project area as a result of a former Aliso Street Manufactured Gas Plant (MGP), which formerly occupied a large portion of properties located to the north and south of Highway 101. Groundwater beneath the former MGP, and in the immediate vicinity, was impacted by petroleum hydrocarbon constituents, VOCs, chlorinated solvents, polycyclic aromatic hydrocarbons (PAHs), and metals. Groundwater flow direction in the vicinity of the former MGP is to the south and southeast (away from the Project area).</p>
<p align="center">WATER SUPPLY</p>	<p>Water supply is provided by the City of Los Angeles through the Department of Water and Power.</p>
<p align="center">FLOOD ZONE DESIGNATION</p>	<p>According to The EDR Radius Map™ Report with GeoCheck®, the Project area is not located within a 100-year or 500-year flood zone (EDR, 2017a).</p>
<p>¹ Groundwater flow direction is based on regional information sources. Project-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other factors.</p>	

4 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review was to obtain and review records that would help to evaluate environmental conditions in connection with the Project site and bordering properties.

Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR of Shelton, Connecticut to perform the government database search for listings within the appropriate ASTM minimum search distance of the Project site. Kleinfelder provided EDR with a Project map to incorporate the search distances from the Project boundary. Included in The EDR Radius Map™ Report with GeoCheck® is a listing of specific databases outlined by the ASTM Standard. A listing of the search distances, databases evaluated, dates the databases were last updated, and types of information contained in each database are included in the regulatory database search provided as Appendix B to this report.

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Project site, or nearby properties, have been included in the noted databases and lists. Each of the listings was reviewed to assess whether the corresponding property details included in the EDR report revealed a potential environmental impact to the Project area. Each of the listings was reviewed to assess whether these properties would likely pose a hazardous waste impact to the Project area based on the following, or a combination thereof:

- The listed property was located at a distance where the facility would be unlikely to impact the Project based on Kleinfelder's evaluation of the relevant data in the EDR report and knowledge of the Project vicinity.
- The listed property was located in a down-gradient or cross-gradient direction from the Project, based on the anticipated direction of groundwater flow at the property being evaluated, and is located at a distance that would be unlikely to impact the Project. Note that groundwater flow direction may be variable in the vicinity of the Project and

determinations as to down- or cross-gradient direction were made only when groundwater flow direction was available for a specific property.

- The listed property was identified in the UST or Small Quantity Generator (SQG) databases and was not on or immediately adjoining the Project site. The property was not listed in other databases that reported a release of a hazardous substance or petroleum product and/or was not listed as having environmental violations. The listing of a facility on these databases alone is not indicative of an unauthorized release.
- The listing for the facility suggested a short-term release had occurred (i.e., from incidental traffic accidents) with associated response actions completed.
- The quantity of the hazardous substances or petroleum product released from an off-site facility was not considered to have resulted in contamination above the most stringent criteria that would require regulatory action. Therefore, no impact to the Project is anticipated.
- The listed property record indicates that the property was characterized, the reported release affected soil only, the listed property was not on or adjacent to the Project, and the release was not recognized as indicative of area-wide conditions or was characterized as a soil removal action only.
- The listed property record indicates that contamination on the property is limited to relatively non-mobile contaminants, including polyaromatic hydrocarbons (PAHs) and metals, in soil only, on a non-adjacent property.
- The listed property record indicates that the case has been closed to the satisfaction of the designated lead regulatory agency and residual contamination, if present, is not considered likely to affect the Project based on one or more of the criteria mentioned in the bulleted items above.

Based on these criteria indicating no material threat of a release that affected the Project and/or no release that could require future regulatory agency oversight, these listings were not evaluated further and are not discussed in the following sections.

4.2 RESULTS OF DATABASE SEARCH

The remaining listings were reviewed to assess whether properties within the Project vicinity may have had significant environmental releases or incidents, which may have resulted in a hazardous waste impact to the Project. Listings which indicate a significant release had occurred, and/or which remain as an open case with the designated regulatory agency, were further assessed by reviewing applicable online regulatory databases, and/or by requesting a file review with the appropriate regulatory agency. Further evaluation was made as to whether the listed release may represent a hazardous waste impact to the Project area. Based on our review of the EDR database report, the facilities shown on Table 4 were further reviewed and assessed as potential hazardous waste impacts to the Project area.

Table 4
Properties with a Potential Hazardous Waste Concern

EDR ID No.(s)	Business Name(s)	Street Address(es)	Location Relative to Project Area	Listing(s) Summary and Property Status
1	Metropolitan Water Dist	800 North Alameda Street	LAUS Property	Listed in the Facility and Manifest Data (HAZNET) database, which includes data extracted from hazardous waste manifests received each year by the California Department of Toxic Substances Control (DTSC), for having disposed of asbestos-containing waste to an off-site landfill, and empty containers (greater than 30 gallons) to a recycling facility in 1996.
2	Los Angeles Union Passenger TE	800 North Alameda Street	LAUS Property	Listed in the Historical UST (HIST UST) database for having had three USTs, including a 1,000-gallon "product" UST installed in 1983, and two 12,750-gallon "product" USTs installed in 1939.
3	National Railroad Passenger Corp	800 North Alameda Street	LAUS Property	Listed in the HAZNET database as having disposed of "unspecified aqueous solution" in 2003, "other organic solids" in 2005, and "unspecified oil-containing waste" and "other inorganic solid waste" in 2014.
4	Los Angeles Union Station	800 North Alameda Street	LAUS Property	Listed in the Facility Index System/Facility Registry System (FINDS), which is a database of facility information and "pointers" to other sources that contain more details. The facility was indicated to be listed in the Resource Conservation and Recovery Act (RCRA) program, and US EPA Enforcement and Compliance History Online (ECHO) database.
5	Amtrak	800 North Alameda Street	LAUS Property	Listed in the HAZNET database as having disposed of "unspecified aqueous solution" waste in 2000.
6	No Name Listed	800 North Alameda Street	LAUS Property	A release was reported based on an Emergency Response Notification System (ERNS) listing for this address. However, detailed information was not provided.
7	Catellus Development Corp	800 North Alameda Street	LAUS Property	Listed in the HAZNET database as having disposed of asbestos-containing waste in 1994 and 1995, "organic solids with halogens" in 1995, and "other inorganic solid waste" in 1998. The facility was also listed in the National Pollutant Discharge Elimination System (NPDES) in 2015 in the "No Exposure Certification" program under the facility National Railroad Passenger Corp. A listing in the NPDES database is typically associated with permitted discharge to the storm water system.
8	Los Angeles Union Station	800 North Alameda Street	LAUS Property	Listed in the California Hazardous Material Incident Report System (CHMIRS) database for an incident that occurred on June 9, 2011 associated with a passenger who died from an unknown cause while boarding a train.
9	Southern California Regional Rail Authority Metro	800 North Alameda Street	LAUS Property	Listed in the HAZNET database as having disposed of waste (type not reported) in 2012.
10	Los Angeles Union Terminal	800 North Alameda Street	LAUS Property	Listed in the CHMIRS database due to an incident involving a commuter that fell and hurt herself in 2005 while preparing to board a train.
11	LA UPT Union Station	800 North Alameda Street	LAUS Property	Listed in the CHMIRS database for an incident that occurred in 1995 involving a spill of approximately 25 gallons of diesel from a broken fuel filter on a train.
12	Los Angeles Passenger Terminal	800 North Alameda Street	LAUS Property	Listed in the HIST UST database for having had a 1,000 gallon "waste" UST (PT-4) and two 12,750-gallon diesel USTs (T-1 and T-2).
13	Union Station	800 North Alameda Street	LAUS Property	Listed in the Superfund Enterprise Management System (SEMS)-Archive database (formerly the Comprehensive Environmental Response, Compensation and Liability Information System [CERCLIS]-No Further Remedial Action Planned [NFRAP] database), which tracks sites that have no further interest under the US EPA Superfund Program. The facility was listed as having had a Preliminary Assessment performed in July 1992, and based on the results was not indicated to qualify for the National Priorities List (NPL).

**Table 4 (continued)
Properties with a Potential Hazardous Waste Concern**

EDR ID No.(s)	Business Name(s)	Street Address(es)	Location Relative to Project Area	Listing(s) Summary and Property Status
14	No Name	800 North Alameda Street	LAUS Property	Listed in the ERNS database, but detailed information was not provided.
15	National Railroad Passenger Corp	800 North Alameda Street	LAUS Property	Listed in the NPDES database effective 1998, but the permit was indicated to have been terminated in 2014.
16	No Name	800 North Alameda Street	LAUS Property	Listed in the ERNS database, but detailed information was not provided.
17	Los Angeles Train Station	800 North Alameda Street	LAUS Property	Listed in the CHMIRS database associated with an incident that occurred on August 22, 2016 due to the death of a passenger on a train from an unknown cause.
18	Los Angeles Union Station Platform 7	800 North Alameda Street	LAUS Property	Listed in the NPDES database as having a permit associated with construction in 2011.
19	L A Union Passenger Terminal	800 North Alameda Street	LAUS Property	Listed in the Los Angeles County Site Mitigation database, which is a listing of industrial sites that have had a reported spill or complaint. The issue was not indicated, but was abated on January 1, 2001. Listed in the California Facility Inventory Database (CA FID), which contains a historical listing of active and inactive UST locations; the HIST UST database; and, the Statewide Environmental Evaluation and Planning System (SWEEPS) UST database, which was a listing of UST locations maintained by the California State Water Resources Control Board (SWRCB) in the early 1990s, but is no longer updated. The facility reportedly had a 1,000-gallon gasoline UST and two 12,750-gallon "chemical" USTs. The facility is also listed in the Waste Discharge Elimination System (WDS) associated with storm water runoff, and in the Emissions Inventory (EMI) database for having emitted hazardous air pollutants (nitrogen oxides and particulate matter) in 1987.
20	No Name	800 North Alameda Street	LAUS Property	Listed in the ERNS database, but detailed information was not provided.
21	Los Angeles Union Station		LAUS Property	Listed as a large quantity generator (LQG) of hazardous waste, including ignitable waste and lead, in 2014. No violations were reported.
22	Amtrak		LAUS Property	Listed in the HAZNET database for having disposed of "unspecified aqueous solution" waste in 1998.
23	Lee Hong	714 North Alameda Street	Adjoins east	Listed in the EDR HIST Auto Stations (HIST Auto) database as an automobile repair facility in 1937.
24	Mun Sam	719 North Alameda Street	Adjoins west	Listed in the EDR historical cleaners (HIST Cleaners) database as a clothes pressers, cleaners and/or repairer in 1929 and 1933.
25	Metro Rail	Union Station	LAUS Property	Closed Spills, Leaks, Incidents, and Complaints (SLIC) case (Case No. 0311) as of August 16, 1996 associated with a release of petroleum hydrocarbons. SWRCB GeoTracker™ summary information for a "Metro Rail" site (Case No. 0311) at Union Station indicates that TPH-impacted soil (up to 4,000 parts per million [ppm]) was reused on the property. The location of soil reuse was not available in the records reviewed. The case was closed as of August 16, 1996.
26	L A Union Passenger Terminal	726 North Alameda Street	Adjoins east	Listed in the CA FID UST database as an active facility. Listed in the SWEEPS database, but detailed information regarding the USTs was not provided.
27	Pacific Coast Service	701 North Alameda Street	Adjoins west	Listed in the HIST Auto database as a gasoline and oil service station in 1933.
28	Romero Juventino	105 Arcadia Way	Adjoins Arcadia Way	Listed in the HIST Cleaners database as a clothes presser, cleaner and/or repair facility in 1929.

Table 4 (continued)
Properties with a Potential Hazardous Waste Concern

EDR ID No.(s)	Business Name(s)	Street Address(es)	Location Relative to Project Area	Listing(s) Summary and Property Status
29	Velasco Florenzo	107 Arcadia Way	Adjoins Arcadia Way	Listed in the HIST Cleaners database as a clothes presser and cleaner facility in 1933.
30	Mun Sam	518 North Los Angeles Street	Adjoins at Los Angeles Street	Listed in the HIST Cleaners database as an Oriental laundry facility in the 1942.
31	Ketcha J L	431 North Main Street	Indicated to be in the City of Watts.	Listed in the HIST Auto database as an automobile repair and service station in 1928.
32	UNG Henry	426 North Los Angeles Street	Adjoins Arcadia Street	Listed in the HIST Auto database as a gasoline and oil service station in 1933 and 1937.
37	Chevron Station No. 9-8815	901 North Alameda Street	Adjoins northwest	Listed in the LUST database as having had a release of gasoline that affected soil. Remediation was performed and the case was closed as of September 7, 2011.
38	Chevron Station # 9-8815	901 North Alameda Street	Adjoins northwest	Listed in the UST database, but detailed information was not provided.
39	Joe Bezerra Chevron	901 North Alameda Street	Adjoins northwest	Listed in the HIST UST database as having had a 1,000-gallon waste oil UST, 250-gallon "product" UST, and two 10,000-gallon "product" USTs. Listed in the SWEEPS database as having had three 10,000-gallon gasoline USTs.
40	Hawk II Environmental Corp	901 North Alameda Street	Adjoins northwest	Listed in the HIST Auto database as a Chevron gasoline service station between 1994 and 2010.
49	Metropolitan Water District	700 North Alameda Street	Adjoins east	Listed in the FINDS and UST databases. Detailed information was not provided.
61	Terminal Annex	900 North Alameda Street	Adjoins northeast	Listed in the HIST UST database as having had nine USTs, including: a 55-gallon "product" UST, 20,000-gallon diesel UST, 600-gallon waste oil UST, two 600-gallon "product" USTs, 10,000-gallon diesel UST, 5,000-gallon gasoline UST, and two 10,000-gallon gasoline USTs.
62	U S Post Office	900 North Alameda Street	Adjoins northeast	Listed in the CA FID UST database as an inactive UST facility location. Listed in the SWEEPS database, but detailed information regarding the USTs was not provided.
63	USPS	900 North Alameda Street	Adjoins northeast	Listed in the FINDS, ECHO and RCRA Non-Gen databases. The facility does not presently generate hazardous waste.
64	U.S. Postal Service Terminal Annex	900 North Alameda Street	Adjoins northeast	Listed in the Leaking Underground Storage Tank (LUST) database associated with a release of diesel that affected groundwater. The case was reported closed as of November 12, 1999.
66	Coresite	900 North Alameda Street	Adjoins northeast	Listed in the aboveground storage tank (AST) database, but detailed information was not provided.
66	Verizon Global Networks Inc.	900 North Alameda Street	Adjoins northeast	Listed in the AST database, but detailed information was not provided.
97	LA to Pasadena Metro Blue Line Construction Author	Platforms at Union Station	LAUS Property	Listed in the SLIC database. Detailed information was not provided, but the case was indicated to have been closed as of March 7, 2012.
114	LA Co Parking Garage	1035 North Alameda Street	550 feet north	Listed in the LUST and HIST Cortese databases due to a release of gasoline that affected groundwater. The case was reported closed as of January 22, 1998.
121, 122, 123, and 124	LA Fire Station 4; Los Angeles Fire Station 4; LA City Fire Station #4; Fire Station 4	800 North Main Street	950 feet northeast	Listed in the FINDS, RCRA-LQG, HIST UST, CA FID UST, and SWEEPS UST databases. The facility was indicated to have had a 1,000-gallon diesel UST. A release that affected soil was reported, but the case was reported closed as of February 18, 2009.

Table 4 (continued)
Properties with a Potential Hazardous Waste Concern

EDR ID No.(s)	Business Name(s)	Street Address(es)	Location Relative to Project Area	Listing(s) Summary and Property Status
133, 134, and 135	M P R Fleet Svcs Inc; Alameda Street Garage; LA County Parking Services	1055 North Alameda Street	950 feet north	Facilities at this address were listed in the RCRA-SQG, FINDS, ECHO, HAZNET, Los Angeles County HMS, UST, and SWEEPS databases. USTs were reportedly maintained at this location including a 1,000-gallon waste oil UST, 2,000-gallon diesel UST, 7,500-gallon gasoline UST, and 10,000-gallon gasoline UST. No releases or violations were reported.
146, 147	Magnus Company, Inc.; Magnus Co. Inc.	860 North Main Street	1,000 feet north-northeast	Listed in the DTSC EnviroStor database with a status of "No Further Action" as of 1984. The facility was identified as a former metal manufacturing facility. Discovery was performed in June 1981 and a Preliminary Assessment completed in September 1984. No contaminants were found at this facility location. The case was archived.
158	The California Endowment Terminal	1000 North Alameda Street	350 feet northeast	Listed in the LUST database due to a release of diesel that affected soil. The case was closed as of September 30, 2008.
162, 163, 164	Mobil #11-H41 (Former); Mobile Oil Corp;	774 North Broadway	1,300 feet northwest	The facility was listed in the HIST UST database has having maintained a 6,000-gallon gasoline UST, 8,000-gallon gasoline UST, 10,000-gallon gasoline UST, and a 280-gallon waste oil UST. Listed in the LUST database due to a release of gasoline that affected groundwater. The case was closed as of September 26, 1996. Listed in the SLIC database with a "No Further Action" status.
183	Mobil #11-HPB (Former)	706 Sunset Boulevard West	700 feet north	Listed in the LUST database due to a release of gasoline that affected groundwater. The case was closed as of October 23, 1996.
186, 187	International Bank Property	943 North Main Street	1,800 feet north	Listed in the SLIC database with a "No Further Action" status as of September 26, 1997.
188	Elias Y Zawaheri	766 North Hill Street	1,600 feet northwest	Listed in the CA FID UST, SWEEPS UST, HIST Cortese, and LUST databases. The facility had a reported release of gasoline that affected groundwater. The case was closed as of December 2, 1991.
190	Fueling Station Former	1135 North Alameda Street	1,600 feet north-northeast	Listed in the LUST database due to a release of gasoline that affected soil. The case was closed as of February 12, 2016.

Based on a review of the EDR database report, the various listings for the LAUS appear to be associated with areas of the LAUS property that are not located within Project limits. Thus, the listings are not considered environmental concerns. Off-site property listing information reviewed does not suggest evidence of an environmental concern that would be considered likely to have affected subsurface conditions beneath areas of the Project, based on location relative to the Project area, media affected (i.e., soil only), or closed case status.

4.2.1 Orphan List

Sites not plotted by EDR due to poor or inadequate address information are referred to as orphan sites. Seven unmapped sites are listed in the EDR report. The orphan summary/unmapped sites reports were reviewed to assess the potential for properties located outside the Project site area that might pose a hazardous waste impact to the Project. One listing, "Alameda Street" was listed in the LA County Site Mitigation database, which is a listing of facilities that have had some sort of spill or complaint. The location along Alameda Street was not indicated, but the listing information indicates it was an industrial site and the issue was abated on March 27, 1989. Listings along streets are typically associated with spills from vehicular accidents or spills at industrial facilities, which are reported and cleaned up by the responding agency. Although it is not known where the spill took place on Alameda Street, it is not likely a concern to the Project area given the length of Alameda Street, the type of facility listed (industrial), and the indicated cleanup/abatement by the responding agency. The remaining listed orphan sites appear to fall under one, or more, of the above-listed criteria and do not represent an environmental concern to the Project.

4.3 ADDITIONAL AGENCY ENVIRONMENTAL RECORDS

Local regulatory agencies were contacted for reasonably ascertainable and practically reviewable documentation regarding environmental conditions present within the project limits and at facilities that based on the EDR database search report had a significant release, or has an open case with the designated regulatory agency. The following sections summarize the agencies that were contacted and the types of information available at each agency.

4.3.1 South Coast Air Quality Management District (SCAQMD)

The SCAQMD Facility Information Detail online database (<http://www3.aqmd.gov/webappl/fim/prog/search.aspx>) was reviewed on April 11, 2017 for

information regarding permits, equipment type and Notices of Violation (NOV) / Notice to Comply (NTC) files. It includes information for facilities that presently have or in the past have operated equipment that stored, handled, or contained hazardous chemicals with the potential to have an impact on the facility's soil or groundwater. Information for the Project address of 800 North Alameda Street was available and is summarized below:

- *“Los Angeles Union Station Platform 7”* – This facility had applied for a permit in April 2011 in accordance with SCAQMD Rule 1166, which is associated with handling of contaminated soil. The facility currently has an active permit, issued October 5, 2011, for operation of an electric-diesel operated emergency generator. No NOV's or NTC's were associated with this facility.
- *“LPC Union Apts LP/Union Stn Village”* – This facility applied for a permit in accordance with SCAQMD Rule 1166 during excavation and foundation work in February 2004. The facility is indicated to be inactive. No NOV's or NTC's were associated with this facility.
- *“National Railroad Passenger Corp”* – This facility is listed as out of business. The facility was formerly issued a permit on April 3, 1980 associated with a boiler. In addition, the facility had applied for a permit on May 24, 1991 in accordance with SCAQMD Rule 1166, and was issued a permit on November 18, 1991 for operation of “soil treat vapor extract gasoline under” equipment. No NOV's or NTC's were associated with this facility. According to Erika Wilder of Metro, Metro has been issued Permit No. D62152 for “Soil Treat Vapor Extract Other VOC Above” associated with Metro's temporary storage area located at 840 Commercial Street. These permits appear to be separate permits based on different permit numbers listed. Based on other information reviewed in SCAQMD records and online, National Railroad Passenger Corporation is also known as “Amtrak”. Amtrak also had a permit (see next summary bullet below).
- *“Amtrak”* – This facility had a permit for the operation of “storage tank gasoline” equipment. The permit, issued November 5, 1991, was listed as inactive. Various NOV's were issued to Amtrak between the years 1990 and 2004 associated with visible emissions from diesel locomotive engines. Compliance was achieved for each of the listed NOV's.
- *“Southern California Regional Rail Author”* – This facility was issued a permit on January 24, 2003 for operation of an electric-diesel operated emergency generator. The permit is listed inactive. A NOV was issued on August 14, 2009 for failure to provide documentation associated with the emergency generator. Compliance was achieved for this NOV as of April 28, 2010. A second NOV was issued on August 31, 2012 for not having a valid permit

to operate the emergency generator. Compliance was achieved for this NOV as of January 2, 2013 and it was rescinded. A NTC was issued on March 11, 2013 for not providing a log book for the generator, but upon re-inspection on March 11, 2003, the facility was indicated to be in compliance.

The information available for the Project address of 800 North Alameda Street appears to be associated with areas of the LAUS property outside the boundaries of the LAUS Forecourt area. Thus, these facility listings are not considered environmental concerns to the Project area.

4.3.2 City of Los Angeles Fire Department

The City of Los Angeles Fire Department (LAFD) Hazardous Materials and Underground Tank Divisions maintain hazardous materials and UST records for properties within the City of Los Angeles. Kleinfelder contacted the LAFD via telephone for information pertaining to properties within the Project area. According to a representative of the LAFD, records for properties within the City of Los Angeles were recently scanned and were unavailable for review during that time. New file review requests will not be processed for at least four months due to a backup in responding to prior records requests. Thus, LAFD records were not available for review as part of this assessment. Based on a review of historical documents for this ISA, records, which may be available at the LAFD, are not likely to affect the identification of environmental concerns within the Project area, with one exception. A former gasoline station adjoined to the west of the Project area, just south of Cesar Chavez, between at least 1950 and 1964. This property was redeveloped and is currently a parking lot. The location of former UST systems (including USTs and dispensers), disposition of UST systems, and undocumented releases associated with this former gasoline station are unknown.

4.3.3 State of California, Regional Water Quality Control Board, GeoTracker™

Records were reviewed on the SWRCB GeoTracker™ website, which includes information from databases maintained by the UST Program regarding environmental cleanup activities at leaking UST sites and non-UST sites. This information is used to assess whether releases from facilities have potentially impacted environmental conditions beneath the Project area. A summary of information for the properties within the Project area, or in the Project vicinity, is provided below:

- *“Metro Rail” (Union Station)* – This facility was listed as having petroleum hydrocarbon-impacted soil (up to 4,000 parts per million) that was approved for reuse on the property in

1990. The facility was listed in the SLIC database, but according to an August 16, 1996 memo to file, the RWQCB Site Cleanup Unit indicated the case “could be closed and filed for information purposes”. No closure letter or other information was available for this facility.

- *“LA to Pasadena Metro Blue Line Construction Author”* – This facility listing was associated with construction of the Metro Blue/Gold Line rail system, which travels from LAUS to Pasadena, and to Sierra Madre Villa along the 210 Pasadena Freeway. The construction project consisted of 89 parcels that were divided into 11 areas along the Gold Line rail system. The RWQCB was requested to oversee contamination discovered during construction in 1999. The RWQCB identified three primary areas/parcels of concern, including: PA-018 (China Town Station), the Avenue 26 Station, and Parcel PA-041 (parking lot). The nearest to the Project area was the PA-018 (China Town Station), approximately 2,100 feet to the north-northwest. Assessment and remediation of the 6-acre property was performed and the RWQCB issued a “No Further Action” letter as of February 20, 2003.
- *“Chevron Station No. 9-8815” (901 North Alameda Street)* – Gasoline-impacted soil was discovered at this facility during dispenser and pipeline removal activities in September 1994. Impacted soil was over-excavated until laboratory analyses of soil samples indicated concentrations of chemicals of concern below detection limits or at trace levels. Based on the results, the LAFD issued a “No Further Action” letter dated December 16, 1994. A second case was reportedly opened on May 18, 2000 by the LAFD after review of a Baseline Site Assessment report dated May 18, 2000. The Baseline Site Assessment report was indicated to be used for a proposed property transaction and was not a regulatory-driven investigation. Soil samples collected in May 2000 contained toluene up to 0.006 milligrams per kilogram (mg/kg) and methyl *tertiary* butyl ether (MtBE) up to 0.77 mg/kg. No other petroleum constituents were detected. Soil and soil vapor samples were collected in January 2011. Ethylbenzene and xylenes were detected in soil at concentrations up to 0.063 mg/kg and 0.048 mg/kg, respectively. Soil vapor samples did not contain detected concentrations of petroleum constituents. A grab groundwater sample was also collected in January 2011. MtBE was detected up to 0.5 micrograms per liter (µg/L), but no other petroleum hydrocarbon constituents were detected. No soil concentrations reported in 2011 exceeded US EPA residential risk-based screening levels for soil, and no groundwater concentrations reported in 2011 exceeded California Department of Health Maximum Contaminant Levels. Therefore, no further action was requested. Based on the results of sampling at the facility, the RWQCB issued a closure letter dated September 7, 2011 indicating that no further action was required.

- “The California Endowment Terminal” (1000 North Alameda Street) – This facility had reported soil and groundwater contamination due to historical activities. VOCs and petroleum hydrocarbons were detected, and remediation of soil and groundwater was performed under the oversight of the RWQCB. The RWQCB issued case closure in November 1999, but residual soil and groundwater contamination remained. GeoMatrix prepared a Soil and Groundwater Management Plan, dated May 19, 2004, to address procedures for operation, maintenance and development activities that may disturb soils and/or groundwater during proposed development of the property. According to GeoMatrix’s summary of investigations performed for the property in 2001 and 2002, shallow groundwater was impacted with residual concentrations of petroleum hydrocarbons and VOCs in the eastern portions of the property, with the furthest downgradient extent of impacted groundwater reportedly defined off the property to the southeast near a former Terminal Annex Building. A closure letter was not available in RWQCB GeoTracker® documents for this facility, but according to the summary information, the case was closed as of September 30, 2008.

4.3.4 Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System

According to the California State Fire Marshal, pipeline information is available at the PHMSA’s online NPMS (<https://www.npms.phmsa.dot.gov>). Kleinfelder researched pipeline information on the NPMS on April 10, 2017 for the Project area and immediate vicinity. No mapped natural gas transmission pipelines are located within the limits of the Project area. Plains Pipeline, L.P. operates a Plains West Coast Pipeline, a crude oil pipeline, which runs parallel to, and beneath North Alameda Street through the Project area. This pipeline (ID number 13937) is currently in service. No accidental releases or incidents were reported within the Project area. No other hazardous liquid pipelines are depicted within the proposed Project area. A copy of the NPMS map and general pipeline information is included in Appendix C.

4.3.5 Los Angeles Building and Safety Division

A search of the LADBS online building records system (<https://www.ladbs.org/services/check-status/online-building-records>) was performed to review available building permits for properties within the Project area. Numerous historical addresses have been associated with properties within the Project boundaries, including along North Alameda Street, former Marchessault Street, former Apablaza Street, North Los Angeles Street, and Aliso Street (now Arcadia Street). Due to

the voluminous amount of permit records for these properties, Kleinfelder reviewed select permits for properties that were considered potential concerns based on a review of historical Sanborn maps.

Based on a summary of available permits, the Project area has been developed since at least the early 1900s. Properties within the Project area, west of North Alameda Street, were generally developed with boarding houses and shops associated with Chinese tenements south of present-day North Los Angeles Street at North Alameda Street. Winery structures were present north of present-day North Los Angeles Street since at least the early 1900s. Available permit information suggests that the winery was no longer in operation by the mid-1960s and the structure uses were changed and incorporated as part of El Pueblo de Los Angeles. A gasoline station occupied the property at the southwest corner of North Alameda Street and Cesar Chavez Avenue, north of the winery structures, between at least 1925 until 1965 when it was demolished.

Based on a review of historical Sanborn maps, properties within, or adjoining to, the Project area, east of North Alameda Street, were generally developed since at least the late 1880s. Permits were available as early as 1905 for these properties. Various uses until the early 1950s have included a hotel, boarding houses, warehousing, automobile repair, winery, a fruit company, well and water pipe manufacturer, and numerous shops and boarding rooms associated with the Chinese Quarters. By 1953, structures had been demolished and permits were associated with the LAUS structures east of the Project area. The area south of the present-day LAUS Forecourt was redeveloped with the existing, adjoining three-story office building at 750 North Alameda Street between 2003 and 2006.

4.3.6 State Department of Toxic Substances Control

Kleinfelder reviewed the DTSC EnviroStor online database (<http://www.envirostor.dtsc.ca.gov/public/>) for information pertaining to the Project area and adjacent properties. Records were not listed for properties located within the Project area or adjacent properties. The nearest listed facilities are located greater than 1,200 feet northeast (cross-gradient) and 1,500 feet southeast (down-gradient) from the Project area, and are not anticipated to have an environmental impact on the Project area. A copy of the EnviroStor search results is provided in Appendix C.

4.3.7 Environmental Liens and Usage Limitations

Based on the EDR database search, no liens pertaining to the Project site are listed in the Federal Superfund Liens List maintained by US EPA, and no known recorded land-use environmental deed restrictions pertaining to the Project site listed in the State Liens Database.

Kleinfelder requested that EDR perform a search of environmental liens and activity and use limitations (AULs) for the LAUS parcel identified as AIN 5409-023-941, which includes the eastern portion of the Project area. According to the EDR Environmental Lien and AUL Search report (EDR, 2017a), environmental liens and AULs are not indicated to be associated with this parcel.

4.3.8 Other Information/Documents Provided

Kleinfelder was not provided with other information or documents pertaining to the Project area.

4.4 INTERVIEWS

Kleinfelder contacted Metro personnel to interview regarding their knowledge of the Project area and associated environmental concerns. Ms. Erika Wilder was contacted via email on June 12, 2017 and responded in a June 12, 2017 email that she does not have knowledge regarding the LAUS Forecourt and Esplanade area. Ms. Wilder indicated that Metro has a SCAQMD Permit (Permit No. D62152) for “Soil Vapor Treat Extract Other VOC Above” associated with Metro’s Temporary Storage Area located at 840 Commercial Street. However, this Temporary Storage Area is located approximately 2,300 feet southeast of the Project area. Ms. Heather Severin was contacted via telephone on June 13, 2017 for information pertaining to the Project area. According to Ms. Severin, her knowledge is related to buildings, and specifically in the area near Alameda Street and 1st Street (over 2,000 feet south of the Project area). She indicated she does not have knowledge regarding the Project area.

Mr. Alex Cantwell was contacted via telephone on August 2, 2017. Although Mr. Cantwell did not have specific knowledge regarding the Project area, he did provide a copy of a Phase I ESA report prepared by HDR for the Link Union Station Project (HDR, 2016), which included the LAUS (including the subject Project area) and railroad right-of-way extending through LAUS and along the Los Angeles River. Based on information obtained during interviews performed as part of that Phase I ESA, according to Mr. Miguel Esquiviaz, Journeyman Engineer for Morlin Asset Service who reportedly worked with LAUS for 17 years, the “Historic LAUS Area” (which includes the subject LAUS Forecourt and Esplanade area and passenger terminal building) and “Passenger

Platforms Area” do not contain fuel tanks nor is maintenance or fueling of any kind performed on this portion of LAUS. He did indicate that boilers for heating the station were located north of the LAUS, in the vicinity of the where the Mozaic Apartments are now located. No wastewater treatment systems or clarifiers operate at LAUS, although a grease capture system for the restaurants in the passenger terminal was indicated to be present. The grease drains to an underground tank on the north side of the “Historic LAUS Area”. No monitoring wells, electrical transformers, history of fire, or hazardous materials spills were reportedly located on the property. HDR interviewed Mr. Mark Evans, a Rail Engineer and Senior Project Manager at HDR who had specific knowledge about the historical development of the passenger terminal (adjoins east of the subject Project area). Maintenance activities were reportedly not performed routinely at any time in the station’s history, and fueling and maintenance of locomotives reportedly took place at other facilities nearby. LAUS was used for loading and unloading of passengers only. He indicated that incidental minor maintenance activities (i.e., lubricating joints or unsticking wheels or brakes) may have occurred, but these activities would have been infrequent.

Information from the interviews and information provided by Metro does not suggest evidence of an environmental concern likely to affect the Project area.

4.5 HISTORICAL DOCUMENTATION REVIEW

The history of the Project area was reviewed to supplement regulatory agency database records previously discussed. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. Table 5 summarizes the availability of information reviewed during this assessment.

**Table 5
Historical Information Sources**

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
SANBORN FIRE INSURANCE MAPS	1888, 1894, 1906, 1920, 1950, 1953, 1954, 1957, 1960, 1964, 1965, 1968, 1970	EDR, 2017c
AERIAL PHOTOGRAPHS	1923, 1928, 1938, 1948, 1952, 1964, 1972, 1977, 1983, 1989, 1994, 2002, 2005, 2009, 2010, and 2012	EDR, 2017d
CITY DIRECTORIES	1920 to 2014 (select years)	EDR, 2017e
HISTORICAL TOPOGRAPHIC MAP REPORT	1894, 1896, 1900, 1928, 1953, 1966, 1972, 1981, 1991, 1994, and 2012	EDR, 2017f
BUILDING DEPARTMENT	See Section 4.3.5	LADBS
PREVIOUS ASSESSMENT(S)	Not available	Not available

4.6 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. Kleinfelder requested EDR to search its library of Sanborn Fire Insurance Maps for maps of the Project area. EDR responded that Sanborn Fire Insurance Maps were available for the Project area for the years for select years between 1888 and 1970 (EDR, 2017c). A summary of information obtained from the Sanborn map review is provided in Table 6, and a copy of the Certified Sanborn® Map Report provided by EDR is included in Appendix D.

Table 6
Historical Sanborn Maps Reviewed

YEAR	SUMMARY
1888	<p>Project Area: North Alameda Street was present with Southern Pacific Railroad tracks passing along the center of the street. East of North Alameda Street, in the present-day LAUS Forecourt area, were vacant areas and Chinese tenements (multiple shops and boarding rooms). A narrow strip of the Project area (eastern-most portion) passed through properties that were developed with a Well and Water Pipe Manufacturer (pipe storage yard and portion of building) and Germain Fruit Company (portions of existing buildings, including a warehouse, beer bottling warehouse, and wine cellar). A railroad spur crossed through the Germain Fruit Company property near the southern end of this portion of the Project area. Marchessault Street was shown at the approximate location of the existing LAUS entrance. Properties west of North Alameda Street that appeared to be located within the Project area west of North Alameda Street included a LA City Water Company building, under construction for use as a pipe shop and offices, female boarding rooms and numerous stores associated with China Town.</p> <p>Arcadia Street was not present.</p> <p>Surrounding Area: Macy Street (now Cesar Chavez) was shown at the north end of the Project area, beyond which was a Kerchoff Cuzner Mill and Lumber facility (northeast corner of Alameda Street/Macy Street). Properties adjoining the Project area, east of North Alameda Street included a Los Angeles Orphan Asylum (north of LAUS Forecourt area), and Chinese Quarters, Well and Water Pipe Manufacturer, Germain Fruit Company, Los Angeles Vintage Company, Aliso Board Feed and Sale Stable, and Hotel De France (south of LAUS Forecourt area). Aliso Street (now Arcadia Street) bordered the Project area to the south. Properties west of North Alameda Street included J.W. Frey Wood Mantel Facility, blacksmith, winery structures, female boarding rooms, various shops associated with China Town, and Plaza (fountain). Arcadia Street was not present, but the area was developed with various stores, sheds, and boarding rooms as part of China Town. North Los Angeles Street was present south of Marchessault Street.</p>
1894	<p>Project Area: Properties within the Project area east of North Alameda Street were either undeveloped or developed with shops associated with the Chinese Quarters. Two streets were located in this area, including Apablaza and Marchessault Streets. The narrow, eastern-most portion of the Project area passed through vacant land and Shafer Street. The southern end of this strip passed through a tenement building. A railroad spur remained in the area of the former fruit company and wine distillery. Properties west of Alameda Street passed through a Los Angeles City Water Company Yard, including a pipe shop and office building. Arcadia Street was not present, but the Project area passed through properties that were developed with various shops, sheds, and boarding rooms as part of China Town. North Los Angeles Street was present south of Marchessault Street.</p> <p>Surrounding Area: Female boarding rooms, a feed stable, Chinese Quarters adjoined the Project area. Los Angeles Orphan Asylum structures were indicated to be vacated. Los Angeles Street extended to Alameda Street. Properties west of Alameda Street included various shops, offices, dwellings, wine cellar, sheds, Chinese Quarters, tenements, theater, and Plaza (fountain). Properties along Arcadia Street included a Livery Feed and Sale facility, blacksmiths, and hotels.</p>

Table 6 (Continued)
Historical Sanborn Maps Reviewed

YEAR	SUMMARY
1906	<p>Project Area: Changes east of Alameda Street included the addition of a Planing Mill on the northern portion of the existing LAUS Forecourt area. The narrow, eastern-most portion of the Project area passed through Chinese Quarters, vacant land, a warehouse, and boarding room. Two railroad spur tracks were shown near the southern portion.</p> <p>Surrounding Area: Asylum buildings were no longer present and lumber storage areas associated with a lumber company were present north of the existing LAUS Forecourt area. A machinery warehouse, livery, boarding rooms, and a hotel were shown east of Alameda Street. Winery and distillery structures were present west of Alameda Street. Other properties remained generally the same as on the previously reviewed map.</p>
1920	<p>Project Area: Facility names were not listed, but structures were shown generally the same as on the 1906 map.</p> <p>Surrounding Area: Facility names were not listed, but structures adjoining the Project area were shown generally the same as on the 1906 map.</p>
1950	<p>Project Area: The LAUS Forecourt area consisted of structures associated with the Chinese Quarters. The narrow eastern-most portion of the Project area passed through vacant land, a private street, and a portion of an office building. Railroad spur tracks were no longer shown passing through this portion of the Project.</p> <p>Surrounding Area: A lumber facility north of Macy Street was replaced with a Post Office. The LAUS building east of the Project area was present. Fewer structures were present east of Alameda Street at the southern end of the Project area. An auto repair building was present east of Alameda Street. West of Alameda were a gasoline station just south of Macy Street, office buildings, Los Angeles Railway Company Substation, Plaza Mexican M.E. Church, and Plaza (fountain). Marchessault Street was now East Sunset Boulevard. Various stores associated with China Town remained south of East Sunset Boulevard. However, many had been cleared toward Arcadia Street in preparation for construction of a freeway.</p>
1953 1954 1957 1960 1964	<p>Project Area: The LAUS Forecourt area as part of the Los Angeles Union Passenger terminal facility, but no structures were depicted.</p> <p>Surrounding Area: Properties east of North Alameda Street were not developed with structures, but were indicated to be part of the Los Angeles Union Passenger Terminal facility. The terminal building adjoined to the east of the Project area. Properties west of North Alameda Street (north of Sunset Boulevard) were generally the same as on the 1950 map. Structures south of Sunset Boulevard had been demolished and the area consisted of roads and on- and off-ramps associated with the freeway, which was present to the south of Arcadia Street.</p>
1965 1968 1970	<p>Project Area: The Project area appeared generally the same as on the previously reviewed maps.</p> <p>Surrounding Area: The gasoline station west of the Project area (just south of Macy Street) was now a parking lot. The substation was vacant in 1965 and 1968, but indicated to be a warehouse in 1970.</p>

Based on a review of historical Sanborn maps, potential shallow soil impacts may be present in the vicinity of former railroad tracks and railroad spurs. Potential impacts from historical facilities

within and adjoining to the Project area are not considered environmental concerns, with one exception. A former gasoline station adjoined to the west of the Project area, just south of Macy Street (now Cesar Chavez) between at least 1950 and 1964. This property was redeveloped as a parking lot. The location of former UST systems (including USTs and dispensers), disposition of UST systems, and undocumented releases is unknown. The potential exists for subsurface impacts to be present as a result of the former gasoline station.

4.7 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a reconnaissance visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR (2017d), and span a period of 89 years. A tabulation of the aerial photographs reviewed by Kleinfelder is presented in Table 7. Copies of the aerial photographs provided by EDR are included in Appendix D.

Table 7
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1923 1928	1"=500'	<p>Project Area: Alameda Street was apparent with railroad tracks that appeared to traverse through the center of the street. The Project area east of Alameda Street appeared developed with several structures. Several railroad spur tracks appeared to branch through the northern portion of this area leading toward the property that adjoined to the north. The narrow eastern-most portion of the Project area appeared to pass through several buildings. Los Angeles Street was apparent west of Alameda Street, but existing Sunset Boulevard was not apparent. Arcadia Street was not apparent.</p> <p>Surrounding Area: Properties adjoining the Project area appeared developed with numerous structures consistent with historical Sanborn maps. Railroad spur tracks were apparent on the property to the north of the existing LAUS Forecourt area.</p>

**Table 7 (continued)
Historical Aerial Photographs Reviewed**

YEAR	APPROXIMATE SCALE	SUMMARY
1938	1"=500'	<p>Project Area: The Project area east of Alameda Street had fewer buildings than what was apparent on earlier reviewed photographs, and much of the area appeared vacant.</p> <p>Surrounding Area: The LAUS terminal building, railroad tracks and platforms east of the Project area were apparent. Remaining adjoining properties appeared generally the same as on the previously reviewed photographs, with fewer structures noted near the southeastern portion of the Project area.</p>
1948	1"=500'	<p>Project Area: The Project area east of Alameda Street appeared to consist of entry ways, parking and landscaped areas associated with the LAUS terminal building to the east. The intersection of Los Angeles Street and Sunset Boulevard west of Alameda Street was apparent.</p> <p>Surrounding Area: Further development of the LAUS property east of the Project area was apparent. Parking areas associated with the LAUS were also apparent to the north and south of the existing LAUS Forecourt area. Numerous buildings north of Macy Street (Cesar Chavez) were replaced by a larger building (US Post Office, based on historical Sanborn maps). Adjoining properties west of Alameda Street remained generally the same as on earlier reviewed photographs.</p>
1952	1"=500'	<p>Project Area: Changes to the Project area included the presence of Arcadia Street along a freeway, which appeared to be under construction to the south of it.</p> <p>Surrounding Area: Changes to the surrounding area included the replacement of structures west of Alameda Street, between Sunset Boulevard and Arcadia Street, with on-and off-ramps that would be associated with the freeway to the south. The on- and off-ramps and freeway appeared to be under construction.</p>
1964 1972 1977	1"=500'	<p>Project Area: Entry, parking and landscaping reconfiguration was apparent within the Project area east of Alameda Street. Los Angeles Street and Sunset Boulevard appeared to have been improved and widened within the Project area west of Alameda Street by 1964, and further reconfigured by 1972.</p> <p>Surrounding Area: Construction of the on- and off-ramps associated with the freeway appeared completed, and landscaping and parking areas were apparent west of Alameda, south of Sunset Boulevard. Remaining properties appeared generally the same as on the previously reviewed aerial photograph.</p>

**Table 7 (continued)
Historical Aerial Photographs Reviewed**

YEAR	APPROXIMATE SCALE	SUMMARY
1983 1989 1994	1"=500'	Project Area: The Project area appeared generally the same as on the previously reviewed photographs. Surrounding Area: Changes to the immediate surrounding area included what appeared to be a fountain/landscaped area in place of a parking lot northwest of Sunset Boulevard/Alameda Street.
2002	1"=500'	Project Area: The entry way to the LAUS property east of Alameda Street was reconfigured. Surrounding Area: Additional structures were apparent east of the Project area, south of the LAUS terminal building.
2005 2009 2010 2012	1"=500'	Project Area: The Project area appeared generally the same as on the 2002 aerial photograph. Surrounding Area: Properties to the north and south of the Project area, east of Alameda Street, were redeveloped. The property to the north appeared to be under construction (2005) with an existing apartment building that appeared to be completed by 2009. The property to the south was developed with a structure and associated parking lot.
<p>Note: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.</p>		

Based on a review of historical aerial photographs, potential shallow soil impacts may be present in the vicinity of former railroad tracks and railroad spurs.

4.8 CITY DIRECTORIES

City directories provide information regarding property occupants by address. EDR provided a city directory abstract, included in Appendix D, for the period between 1920 and 2014 (EDR, 2017e). LAUS appears to be associated with the addresses 800 and 810 North Alameda Street.

- *800 North Alameda Street* – Listed in city directories between 1970 and 2014 with various listings typical of facilities found within a passenger terminal station. These facilities include rental car listings, bus terminal listings, restaurant establishments, parking companies, railroad companies, offices, retail facilities.
- *810 North Alameda Street* – Amtrak Crew Base Union Station and National Railroad Passenger Corporation were listed in the years 2010 and 2014.

A complete listing of properties that adjoin the Project area was not provided in the EDR city directory abstract. However, the adjoining properties that were listed were consistent with those observed at the time of the site reconnaissance visit.

4.9 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the Project area from EDR (2017f). The topographic maps reviewed for this assessment are listed in Table 8 and copies of the maps are included in Appendix D.

**Table 8
Historical Topographic Maps Reviewed**

YEAR	SCALE	SUMMARY
1894 1896 1900	1:62,500	<p>Project Area: Alameda Street was shown with railroad tracks traversing through the center of the street. Small structures were shown within the Project area, east of Alameda Street and in portions of the Project area along the west side of Alameda Street. A large circular feature (fountain, based on historical Sanborn maps) was shown to the west of Los Angeles Street.</p> <p>Surrounding Area: Streets were depicted at the locations of present-day Cesar Chavez (formerly Macy Street), Los Angeles Street, Sunset Boulevard (formerly Massacheraut Street). Numerous structures were depicted adjoining the Project in each direction.</p>
1928	1:24,000	<p>Project Area: Increased development of structures was apparent within the Project area east of Alameda Street. Several railroad spur tracks were shown branching from Alameda Street through the northern portion of the Project area toward the adjoining property to the north.</p> <p>Surrounding Area: The surrounding properties were depicted with increased structural development. Railroad track spurs were shown branching from Alameda Street onto adjoining properties.</p>

**Table 8 (continued)
Historical Topographic Maps Reviewed**

YEAR	SCALE	SUMMARY
1953	1:24,000	<p>Project Area: The Project area was depicted within a red-shaded area on the map, which indicates it is located within a developed, urban area although structures are not shown.</p> <p>Surrounding Area: The surrounding properties were depicted within the red-shaded area on the map, indicating a developed, urban area although most structures are not shown. A road was shown at the present-day location of Arcadia Street, which parallels the north side of a 6-lane highway (existing freeway) to the south. Two Union Station buildings were shown adjoining to the east of the Project area, beyond which were numerous railroad tracks associated with the station. The Plaza and a church were shown west of Alameda Street, west of present-day Los Angeles Street. A post office building was shown to the northeast of the Project area, beyond Macy Street (now Cesar Chavez).</p>
1966 1972 1981 1991	1:24,000	<p>Project Area: Alameda Street, an entry way to the LAUS, Los Angeles Street, and Sunset Boulevard were shown within the Project area.</p> <p>Surrounding Area: Union Station was further developed to the east of the Project area. A post office and fire station were shown north of the Project area, beyond Macy Street. Several structures and the Plaza area were shown west of the Project area. A 6-lane highway bordered Arcadia Street to the south.</p>
2012	1:24,000	<p>Project Area: The 2012 topographic map depicted roads, but not structures. Alameda Street, Los Angeles Street, Sunset Boulevard, and Arcadia Street were depicted within the Project area, although they were not labeled. The entry road to the LAUS was also depicted within the Project area.</p> <p>Surrounding Area: Highway 101 was depicted south of the Project area, south of Arcadia Street.</p>

Based on a review of historical topographic maps, potential shallow soil impacts may be present in the vicinity of former railroad tracks and railroad spurs.

4.10 BUILDING DEPARTMENT

Building permits were researched through the LADBS online building records system at <https://www.ladbs.org/services/check-status/online-building-records>). A summary is provided in Section 4.3.5.

4.11 PREVIOUS ASSESSMENTS

Previous assessment reports associated with the Project area were not provided to Kleinfelder for review as part of this Hazardous Waste ISA.

5 VISUAL SURVEY

5.1 METHODOLOGY AND LIMITING CONDITIONS

Mr. Matt Grooms performed a site reconnaissance on April 24, 2017. The site reconnaissance included a visual inspection of the Project area to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water within the Project area. Observations of readily-apparent environmental conditions are summarized in Table 9 and color photographs of the Project area are presented on Figures 3 through 12. The approximate Project boundaries are shown on Figure 2.

6.3 PROJECT AREA OBSERVATIONS

Kleinfelder's Site observations are summarized in Table 9.

**Table 9
Project Area Observations**

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use	The Project area consists of landscaping, parking, and paved entrances (LAUS Forecourt area) east of Alameda Street, and portions of paved public roadways (Alameda, Los Angeles, and Arcadia Streets).	X	
Current use likely to indicate RECs			X
Past use	The Project area has been developed since at least the early 1900s. Properties west of Alameda Street were generally developed with boarding rooms/shops associated with China Town (south of North Los Angeles Street), and winery structures (north of North Los Angeles Street) since at least the early 1900s. A gasoline station occupied the property at the southwest corner of Alameda Street/Cesar Chavez between at least 1925 and 1965. The winery was no longer in operation by the mid-1960s and the structure uses were changed and incorporated as part of El Pueblo de Los Angeles.		X

**Table 9 (continued)
Project Area Observations**

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Past use (continued)	<p>Properties east of Alameda Street were generally developed since at least the late 1880s. Various uses until the early 1950s have included a hotel, boarding houses, warehousing, automobile repair, winery, a fruit company, well and water pipe manufacturer, and numerous shops and boarding rooms associated with the Chinese Quarters. By 1953, structures had been demolished and the property associated with LAUS to the east.</p> <p>Railroad tracks were present along the center of Alameda Street since at least 1888 through 1970. Railroad track spurs were present branching from Alameda Street onto properties to the east. Several spur tracks were apparent on the northern portion of the LAUS Forecourt area between at least 1920 and 1938.</p>		X
Past use likely to indicate RECs	Former railroad tracks and spurs; former gasoline station adjoining to the west of the northern portion of the Project area.		X
Structures	No structures were observed within the Project area.		X
Roads	Portions of Alameda, Los Angeles and Arcadia Streets are located within the Project area. Entrance roads associated LAUS.	X	
Topography of Project and surrounding area	The Project area is generally flat with a gentle downward slope toward the south.	X	
Aboveground storage tanks (ASTs)			X
Below grade vaults	Utility vaults.	X	
Burned or buried debris			X
Chemical storage			X
Chemical mixing areas			X
Discolored soil or water			X
Ditches, streams			X

**Table 9 (continued)
Project Area Observations**

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Drains and piping	Storm drains observed as part of the curb and gutter systems along Alameda, Los Angeles and Arcadia Streets, and along LAUS roads.	X	
Drums			X
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	Transformers observed within, and adjoining to, the Project area. Transformer observed in the northern parking lot of the LAUS Forecourt area, east of Alameda Street.	X	
Fill dirt from an unknown source			X
Fill dirt from a known source			X
Hazardous chemical and petroleum products in connection with known use			X
Non-hazardous containers with contents			X
Hazardous waste storage			X
Heating and cooling system and fuel source	Not applicable – no structures located within the Project area.		X
Industrial waste treatment equipment			X
Loading and unloading areas			
Odors			X
Pits, ponds, or lagoons			X
Pools of liquid			X
Process waste water			X
Sanitary sewer system	Not applicable – no structures located within the Project area.		X
Septic system (e.g. tank and leach fields)			X

**Table 9 (continued)
Project Area Observations**

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Soil piles			X
Solid waste/evidence of unauthorized dumping			
Stained pavement, soil or concrete	Paved portions within the Project area appeared in fair condition with no obvious signs of significant staining or cracks.	X	
Stains or corrosion (interior, non-water)			X
Storm drains/catch basins	Storm drains observed as part of the curb and gutter systems along Alameda, Los Angeles and Arcadia Streets, and along LAUS roads.	X	
Stressed vegetation			X
Sumps and clarifiers			X
Surface water			X
UST(s) (including heating oil tanks)			X
Unidentified substance containers			X
Waste water discharge			X
Water supplies (potable and process)	Not applicable – no structures located within the Project area.		X
Wells (irrigation, monitoring, or domestic)			X
Wells (dry)			X
Wells (oil and gas)			X

5.2 RESULTS OF PROJECT AREA RECONNAISSANCE

The Project area is located generally between the LAUS on the east and El Pueblo de Los Angeles Historical Monument on the west. The El Pueblo de Los Angeles Historical Monument is

an historic Mexican Marketplace, which was established in 1930. It consists of numerous specialty and souvenir shops, restaurants, museums, offices, a church, parks, and parking lots.

The Project area east of Alameda Street consists of landscaping, parking lots and paved entrances associated with LAUS Forecourt area. The remaining portions of the Project area consist of portions of Alameda Street, Los Angeles Street and Arcadia Street.

- Alameda Street within the Project area consists of six traffic lanes (three lanes each in the northbound and southbound directions) between Cesar Chavez on the north and Arcadia Street on the south.
- Arcadia Street consists of three westbound traffic lanes, with non-connecting segments along the northern side of Arcadia Street located within the Project area: 1) Alameda Street to Los Angeles Street; 2) Los Angeles Street to Main Street; and, 3) Main Street to Spring Street.
- Los Angeles Street within the Project area consists of a single lane and shoulder area in the southbound direction (from Alameda Street), and two lanes in the northbound direction from Arcadia Street), which then branches into three lanes at Alameda Street (two turning lanes onto Alameda Street; one lane straight into the LAUS).

Yellow traffic markings were observed on Alameda Street, Los Angeles Street, and Arcadia Street. Yellow traffic markings on Arcadia Street appear to be located outside the Project area limits.

Electrical transformers were observed within, and adjoining to the Project area. One pad-mounted transformer was observed in the northern parking lot of the LAUS Forecourt area. No evidence of staining, or leakage from the transformers was observed.

Evidence of discolored water, stressed vegetation, USTs, pits, ponds, or lagoons was not observed within the Project area during the reconnaissance.

6 EVALUATION

Information gathered and activities performed by Kleinfelder for this ISA were consistent with those required to address Caltrans' Initial Site Assessment (ISA) Checklist for Hazardous Waste (Appendix DD, Hazardous Waste, Project Development Procedures Manual, July 1, 1999). The following section describes Kleinfelder's findings and presents our recommendations regarding potential hazardous waste involvement in the proposed project.

6.1 FINDINGS

Based on the results of the ISA, the following findings are presented:

- Proposed Project improvements generally include: removing the short-term parking on the northwest corner (approximately 60 spaces) of the LAUS property; creating a new esplanade along Alameda Street (between Cesar Chavez and Arcadia Street); reconfiguring the entrance from LAUS to the El Pueblo de Los Angeles Historical Monument; and, re-purposing the northernmost travel lane on Arcadia Street and Spring Street into a tour bus parking area. Improvements would also include changing travel lanes, expanding sidewalks, and creating multi-use path for bicyclists and pedestrians on the east side of Alameda Street.
- The Project area consists of existing City of Los Angeles right-of-way along Alameda Street between Cesar Chavez and Arcadia Street, Arcadia Street between Alameda Street and Spring Street, and Los Angeles Street between El Pueblo de Los Angeles Historical Monument and LAUS. It also includes the LAUS Forecourt Area associated with Los Angeles County AIN 5409-023-941.
- The Project is generally located between the El Pueblo de Los Angeles Historic Monument (west of Alameda Street) and LAUS (east of Alameda Street). El Pueblo de Los Angeles Historical Monument includes numerous specialty and souvenir shops, restaurants, museums, offices, a church, parks, and parking lots west of Alameda Street. LAUS encompasses a large area, which is generally bound by Cesar Chavez (north), Vignes Street (east), Highway 101 (south), and Alameda Street (west). The LAUS Forecourt area is part of the Project improvement area.
- The Project area has been developed since at least the late 1880s to early 1900s. Properties west of Alameda Street were generally developed with boarding rooms/shops

associated with China Town, and winery structures since at least the early 1900s. A gasoline station occupied the property at the southwest corner of Alameda Street/Cesar Chavez between at least 1925 and 1965. The winery was no longer in operation by the mid-1960s and the structure uses were changed and incorporated as part of El Pueblo de Los Angeles Historical Monument. Properties east of Alameda Street were generally developed since at least the late 1880s. Various uses until the early 1950s have included a hotel, boarding houses, warehousing, automobile repair, winery, a fruit company, well and water pipe manufacturer, and numerous shops and boarding rooms associated with the Chinese Quarters. By 1953, structures had been demolished and the property was associated with LAUS to the east.

- Railroad tracks were present along the center of Alameda Street since at least 1888 through 1970. Railroad track spurs were also present branching from Alameda Street onto properties to the east. Several spur tracks were apparent on the northern portion of the LAUS Forecourt parking area between at least 1920 and 1938.
- The majority of the Project area, except the portion along Arcadia Street between Main Street and Spring Street, is located in the northern portion of the Central Groundwater Basin of the Los Angeles Coastal Plain. The Project area is located in the northern most portion of the Central Basin Pressure area, which is the largest of four divisions in the basin. Based on regional data, the historic groundwater flow direction in the Central Basin has been from recharge areas in the northeast of the basin, toward the Pacific Ocean to the southwest. Pumping patterns have lowered the water level in large portions of the Central Basin. Information reviewed on the SWRCB GeoTracker™ website for the California Endowment Terminal Annex Property, located approximately 400 feet northeast of the Project area, groundwater was encountered at depths between 22 and 32 feet bgs and flowed to the south-southwest.
- Federal, state and local regulatory agencies publish databases, which were reviewed to identify businesses, and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. In addition, local regulatory agencies were contacted for reasonably ascertainable and practically reviewable information regarding environmental conditions present at facilities in the area of the Project area. Based on the database and local regulatory agency records reviewed, no off-site facilities were assessed as a potential environmental concern to the Project area.

- Historical sources; including Sanborn maps, aerial photographs, city directories, and topographic maps were reviewed to supplement regulatory agency database records. Based on a review of historical sources, the following were noted:
 - Alameda Street, North Los Angeles Street, and Cesar Chavez (formerly Macy Street) have been present since at least 1888. Arcadia Street has been present since the mid-1950s.
 - Railroad tracks were present along the center of Alameda Street since at least 1888 through 1970. Railroad track spurs were also present branching from Alameda Street onto properties to the east. Several spur tracks were apparent on the northern portion of the LAUS Forecourt parking area between at least 1920 and 1938.
 - A gasoline station occupied the property located at the southwest corner of Alameda Street and Cesar Chavez between at least 1950 and 1964. This property was redeveloped as a parking lot. The location of former UST systems (including USTs and fuel dispensers), disposition of UST systems, and potential undocumented releases are unknown.
- Kleinfelder performed a reconnaissance of the Project area and immediate vicinity on April 24, 2017 to assess and photograph present conditions within the Project area. The Project area consists of landscaping, parking, and paved entrances (LAUS Forecourt area) east of Alameda Street), and portions of paved public roadways (Alameda, Los Angeles, and Arcadia Streets). The following potential environmental concerns were noted at the time of the Project area reconnaissance:
 - Yellow traffic markings were observed on Alameda Street, Los Angeles Street, Arcadia Street, and LAUS roads. Yellow traffic markings on Arcadia Street however, appear to be located outside the Project improvement areas.
 - Electrical transformers were observed within, and adjoining to the Project area. A pad-mounted transformer was observed in the northern parking lot of the LAUS Forecourt area. No evidence of staining or leakage from the transformers was observed.

6.2 CONCLUSIONS AND RECOMMENDATIONS

- The potential presence of hydrocarbons, metals and persistent pesticides in soil along or adjacent to railroad tracks represents a potential environmental concern to the Project. If

railroad tracks remain beneath existing pavement along Alameda Street and in the northern portion of the existing LAUS Esplanade and Forecourt area parking lot, then soil planned to be disturbed as part of the Project improvements in the vicinity of the historical railroad tracks should be sampled and analyzed for the potential presence of petroleum hydrocarbons, metals and persistent pesticides. The samples should be analyzed for TPH, VOCs, CCR Title 22 Metals, and OCPs using US EPA Methods 8015B(M), 8260B, 6010B/7471A, and 8081, respectively.

- Elevated concentrations of lead (from use of leaded gasoline) and other metals are sometimes associated with older roadways. Based on a review of historical sources, Alameda Street, North Los Angeles Street, and Cesar Chavez (formerly Macy Street) have been present since at least 1888. Arcadia Street has been present since the mid-1950s. The areas along these roadways appear to have been paved (e.g., sidewalks or pavement associated with developed adjoining properties) since the advent of wide leaded gas distribution. However, the potential exists for ADL to be present in shallow soil in unpaved areas along these roadways, or beneath existing pavement that may cover formerly exposed areas along these roadways that were not observed during review of historical sources. Therefore, sampling for the presence of ADL is recommended in the unpaved areas within the Project area where soil disturbance is anticipated.
- The potential exists for subsurface impacts to be present as a result of the former gasoline station, which occupied the property at the southwest corner of Alameda Street and Cesar Chavez. The location of former UST systems, including USTs and fuel dispensers, disposition of UST systems, and potential undocumented releases are unknown. The potential exists for subsurface impacts to be present as a result of this former facility. Therefore, it is recommended that soil sampling be performed along the west side of Alameda Street within the Project area, in the vicinity of the former gasoline station. Soil samples should be analyzed for the presence of TPH, VOCs, and lead using US EPA Methods 8015B(M), 8260B, and 6010B, respectively.
- Other historical facilities within, or adjoining to the Project area, are not considered environmental concerns, based on information reviewed for this ISA. Although not anticipated, should impacted soil (as evidenced by staining and/or odors) be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities. The resident engineer

overseeing construction should have available field monitoring equipment (e.g., PID) to facilitate timely detection of potentially hazardous conditions in the field.

- Yellow traffic markings (thermoplastic and paint) may potentially contain hazardous levels of lead chromate. If yellow traffic markings are removed separately from the adjacent pavement, the markings should be removed and sampled for lead chromate prior to construction, consistent with the current Caltrans' SSP.
- Should transformer removal be required as part of the Project, the local utility company should be notified for proper testing and removal.
- Although not anticipated, should evidence of naturally-occurring oil seeps within the Project area, or impacted soil from a crude oil pipeline beneath Alameda Street be observed, the Caltrans Unknown Hazard Procedures should be implemented during construction activities.
- Groundwater is not anticipated to be encountered during construction/excavation activities. However, should groundwater be encountered and dewatering become necessary, then groundwater sampling, regulatory compliance and permitting should be consistent with RWQCB and NPDES requirements.

6.3 DATA GAPS

Although Kleinfelder attempted to obtain reasonably ascertainable information regarding the Project site, some information was either not received or not readily available at the time of this report. Therefore, consistent with ASTM Standard Practice E 1527-13, the following data data gaps have been identified:

- LAFD records were not available for review at the time of this Phase I ESA, due to a backlog of file review requests. Based on a review of historical documents for this ISA, records, which may be available at the LAFD, are not likely to affect the identification of environmental concerns within the Project area, with one exception. A former gasoline station adjoined to the west of the Project area, just south of Cesar Chavez, between at least 1950 and 1964. This property was redeveloped and is currently a parking lot. The location of former UST systems (including USTs and dispensers), disposition of UST systems, and undocumented releases associated with this former gasoline station is unknown.

- A complete listing of properties that adjoin the Project area was not provided in the EDR city directory abstract. Listings for properties along Alameda Street were provided, but listings for properties along historical streets in the area were not. This data gap however, is not considered a data failure since other historical documentation was reviewed as part this assessment.

7 REFERENCES

- California Department of Transportation (Caltrans), Standard Environmental Reference, Volume I: Guidance for Compliance, Chapter 10 – Hazardous Materials, Hazardous Waste, and Contamination, (<http://www.dot.ca.gov/ser/vol1/sec3/physical/ch10haz/chap10.htm>).
- California Department of Water Resources (CDWR), 1961, California's Groundwater Bulletin 104, Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, June.
- CDWR, 2004, California's Groundwater Bulletin 118, Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin, February 27.
- Environmental Data Resources, Inc. (EDR), 2017a, *EDR Environmental Lien and AUL Search, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.7, April 12.
- _____, 2017b, *The EDR Radius Map™ Report with GeoCheck®, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.2s, April 11.
- _____, 2017c, *Certified Sanborn® Map Report, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.3, April 11.
- _____, 2017d, *The EDR Aerial Photo Decade Package, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.12, April 10.
- _____, 2017e, *The EDR-City Directory Abstract, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.5, April 11.
- _____, 2017f, *EDR Historical Topo Map Report with QuadMatch™, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.4, April 10.
- _____, 2017g, *EDR Building Permit Report, 800 North Alameda Street, Los Angeles, CA 90012*, Inquiry No. 4903788.8, April 10.
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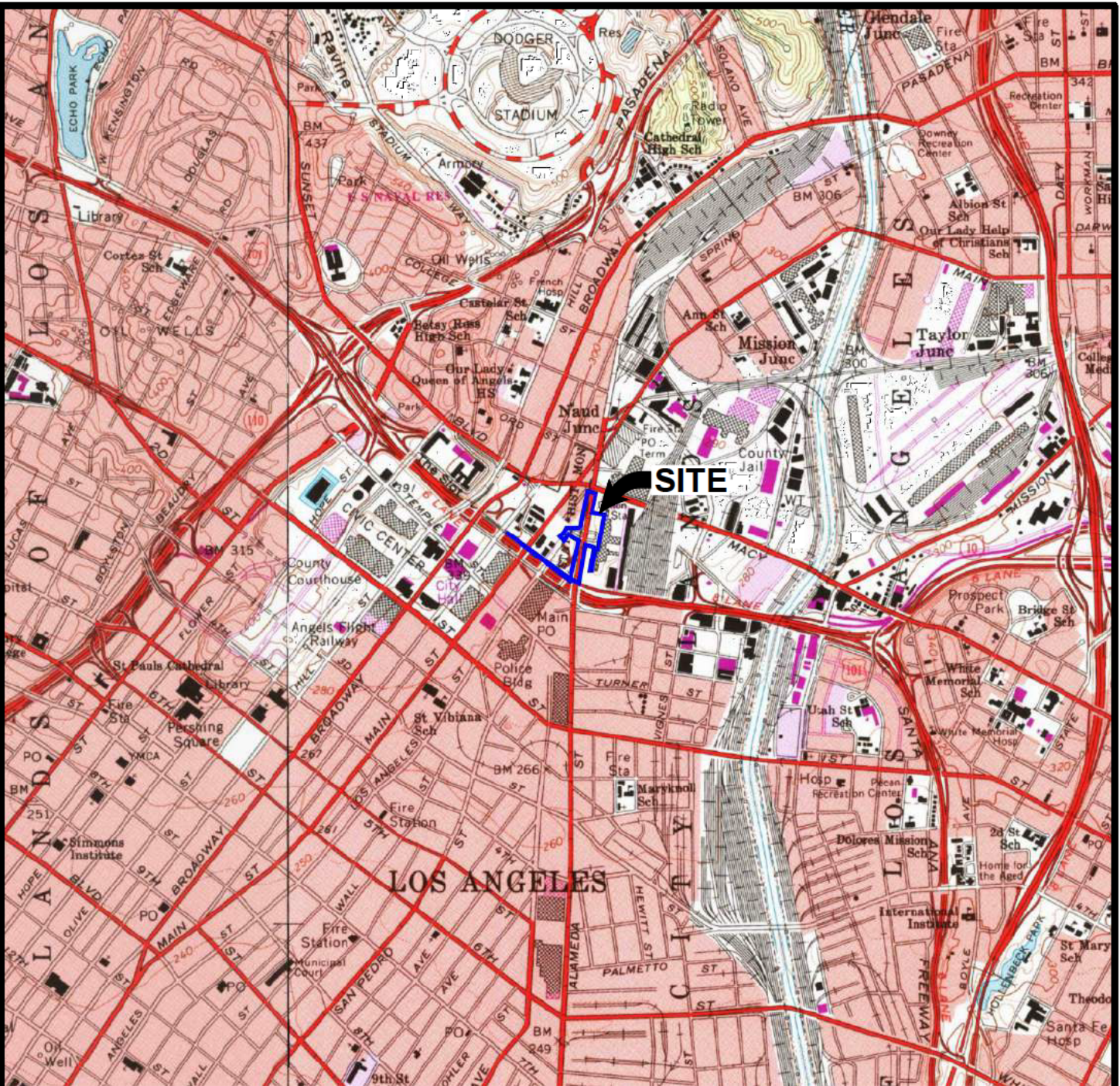
Tetra Tech, Inc. (Tetra Tech), 2003, *Remedial Investigation Report for Block G, Sector C, Former Aliso Street MGP Site, Los Angeles, California*, June.

United States Geological Survey (USGS), 1994, 7.5-minute Topographic Map of the Los Angeles, California Quadrangle, scale 1:24,000.

Water Replenishment District of Southern California (WRD), 2013, *Regional Groundwater Monitoring Report, Central and West Coast Basins, Los Angeles County, California, Water Year 2011-2012*, March.

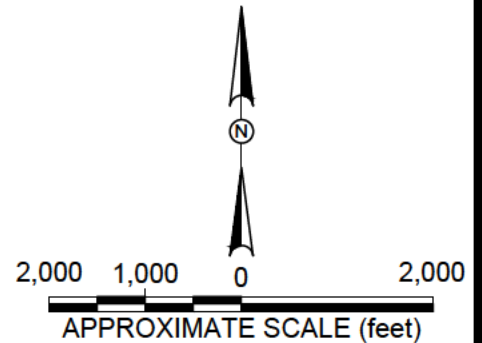
Yerkes, Robert F. and Campbell, Russell H., 2005, Preliminary Geologic Map of the Los Angeles 30' x 60' Quadrangle, Southern California, Version 1.0.

FIGURES



SOURCE: U.S.G.S. 7.5' Topographic series, Los Angeles and Hollywood, California Quadrangle 1994.

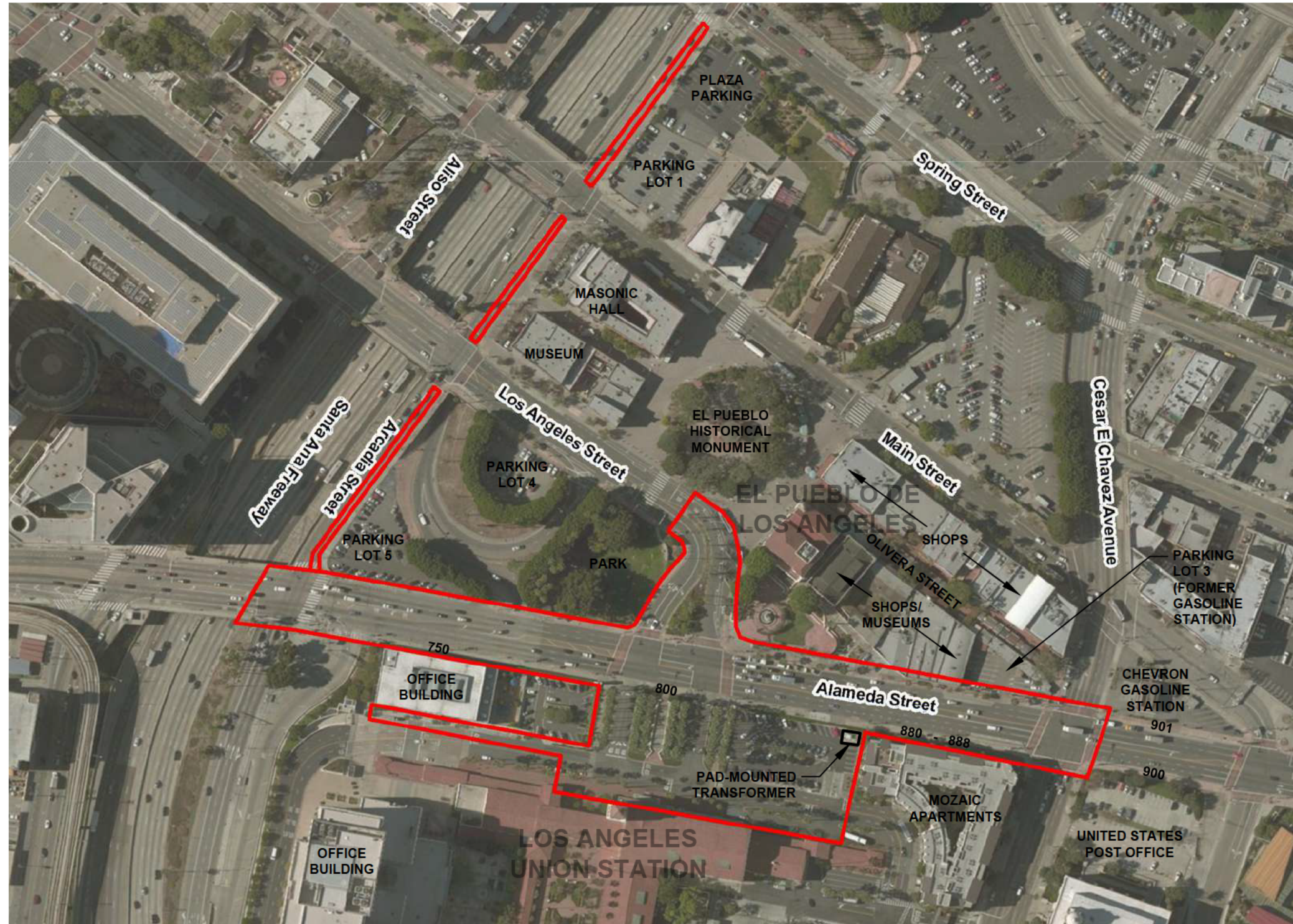
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PROJECT NO. 20161223
 DRAWN BY: DMF
 CHECKED BY: MC
 DATE: 05/2017
 REVISED: 05/2017

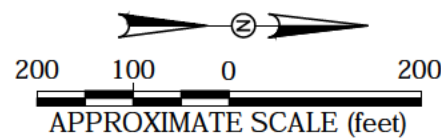
PROJECT AREA
 LOCATION MAP
 HAZARDOUS WASTE INITIAL SITE ASSESSMENT
 THE LOS ANGELES UNION STATION - FORECOURT
 AND ESPLANADE IMPROVEMENTS PROJECT
 LOS ANGELES, CALIFORNIA

FIGURE
 1



REFERENCE: BASE MAP PROVIDED BY METRO, UNDATED

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PROJECT NO.	20161223	PROJECT VICINITY MAP	FIGURE
DRAWN BY	DMF		
CHECKED BY	MC	HAZARDOUS WASTE INITIAL SITE ASSESSMENT THE LOS ANGELES UNION STATION - FORECOURT AND ESPLANADE IMPROVEMENTS PROJECT LOS ANGELES, CALIFORNIA	2
DATE:	05/2017		
REVISED:	05/2017		



Photograph 1 - View facing southeast from the west side of Alameda Street at the entrance to the Los Angeles Union Station (LAUS).



Photograph 2 - View facing east at the intersection of North Los Angeles Street and Alameda Street. LAUS entrance is shown in background.


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 3
	DRAWN BY:	MRC		
CHECKED BY:	LS			
DATE:	5/2017			
REVISED:				



Photograph 3 - View facing southwest from the intersection of North Los Angeles Street and Alameda Street. Photograph taken from the east side of Alameda Street.



Photograph 4 - View of North Los Angeles Street from the El Pueblo de Los Angeles monument facing northeast toward Alameda Street.


	PROJECT NO. 20161223	PROJECT AREA PHOTOGRAPHS Hazardous Waste Initial Site Assessment, The Los Angeles Union Station - Forecourt and Esplanade Improvements Project, Los Angeles, CA	FIGURE 4
	DRAWN BY: MRC CHECKED BY: LS DATE: 5/2017 REVISED:		



Photograph 5 - View facing west along North Los Angeles Street.
 Photograph taken from Alameda Street.



Photograph 6 - View facing north at the LAUS Forecourt area within the Project area, in front of the LAUS passenger terminal building. Adjoining Mozaic Apartments are shown in


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 5
	DRAWN BY:	MRC		
	CHECKED BY:	LS	Hazardous Waste Initial Site Assessment, The Los Angeles Union Station - Forecourt and Esplanade Improvements Project, Los Angeles, CA	
	DATE:	5/2017		
	REVISED:			



Photograph 7 - View facing south within the Project area, along the front (west side) of the LAUS passenger terminal building.



Photograph 8 - View facing northwest at the LAUS entrance and forecourt area of the Project.


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 6
	DRAWN BY:	MRC		
	CHECKED BY:	LS	Hazardous Waste Initial Site Assessment, The Los Angeles Union Station - Forecourt and Esplanade Improvements Project, Los Angeles, CA	
	DATE:	5/2017		
	REVISED:			



Photograph 9 - View of a pad-mounted transformer located in the northwestern portion of the LAUS Forecourt parking area.



Photograph 10 - View facing south-southwest at Alameda Street from the entrance to the LAUS.


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 7
	DRAWN BY:	MRC		
	CHECKED BY:	LS	Hazardous Waste Initial Site Assessment, The Los Angeles Union Station - Forecourt and Esplanade Improvements Project, Los Angeles, CA	
	DATE:	5/2017		
	REVISED:			



Photograph 11 - View facing north at Alameda Street. Photograph taken from near the Mozaic Apartments, which is located north of the LAUS Forecourt area.



Photograph 12 - View facing northwest at Alameda Street and properties along the west side of the street.


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 8
	DRAWN BY:	MRC		
CHECKED BY:	LS			
DATE:	5/2017			
REVISED:				



Photograph 13 - View of intersection of Alameda Street / Cesar Chavez, and the properties located at the northwest (Chevron gasoline station, right)) and southwest (former gasoline station, left) corners.



Photograph 14 - View facing south at Alameda Street near an on-ramp to the Santa Ana Freeway. The adjoining office building south of the LAUS Forecourt area is shown far left.


	PROJECT NO. 20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 9
	DRAWN BY: MRC CHECKED BY: LS DATE: 5/2017 REVISED:		



Photograph 15 - View facing south at the intersection of Alameda and Arcadia Streets.



Photograph 16 - View facing west at the north side of Arcadia Street between Alameda Street and North Los Angeles Street.


	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE
	DRAWN BY:	MRC		
	CHECKED BY:	LS	Hazardous Waste Initial Site Assessment, The Los Angeles Union Station - Forecourt and Esplanade Improvements Project, Los Angeles, CA	10
	DATE:	5/2017		
	REVISED:			



Photograph 17 - View facing west at the north side of Arcadia Street approximately mid-way between North Los Angeles Street and North Main Street.

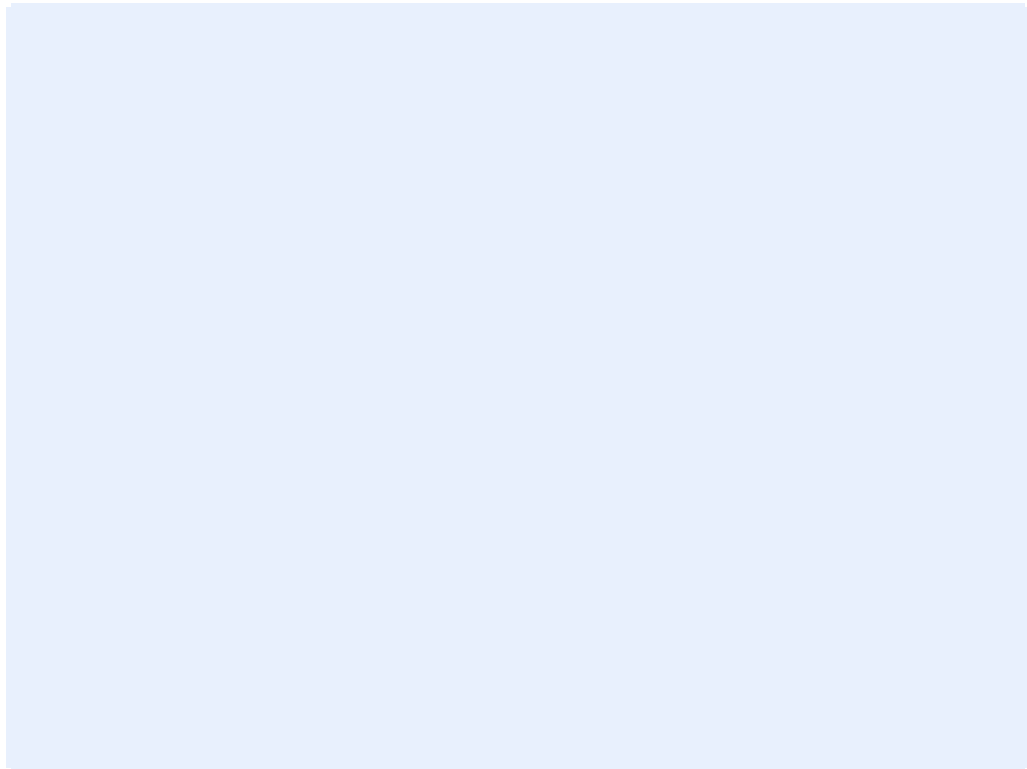



Photograph 18 - View facing south-southwest at the north side of Arcadia Street. Photograph taken from North Main Street.

	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 11
	DRAWN BY:	MRC		
CHECKED BY:	LS			
DATE:	5/2017			
REVISED:				



Photograph 19 - View facing west at Arcadia Street between North Main Street and Spring Street.



	PROJECT NO.	20161223	PROJECT AREA PHOTOGRAPHS	FIGURE 12
	DRAWN BY:	MRC		
CHECKED BY:	LS			
DATE:	5/2017			
REVISED:				

APPENDIX A
Initial Site Assessment Checklist

Appendix DD



Initial Site Assessment (ISA) Checklist

Project Information

District 7 County Los Angeles

Route Portions of North Alameda Street, between Cesar E. Chavez Avenue (on the north) and Arcadia Street (on the south), North Los Angeles Street from the El Pueblo Historical Monument to the Los Angeles Union Station (LAUS), and Arcadia Street between North Alameda Street (on the east) and Spring Street (on the west), in the City of Los Angeles, Los Angeles County, California.

Kilometer Post (Post Mile) _____

Description The proposed Project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. The proposed improvements include: removing the short-term parking northwest of the entrance to LAUS (approximately 60 spaces) to create a new civic plaza with an outdoor seating area; creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia Street) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade on the eastside and wide sidewalks on the west; reconfiguring the entrance from LAUS to the El Pueblo de Los Angeles State Historic Park by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street and closure of the northern LAUS driveway on Alameda Street; and re-purposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo de Los Angeles. In addition, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn lane/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a shared tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

Is the project on the HW Study Minimal-Risk Projects List (HW1)? No

Project Manager _____ phone # _____

Project Engineer _____ phone # _____

Project Screening

Attach the project location map to this checklist to show location of all known and/or potential HW sites identified.

1. Project Features: New R/W? _____ Excavation? X Railroad Involvement? _____
Structure demolition/modification? _____

Subsurface utility relocation? Potential

Initial Site Assessment (ISA) Checklist

(continued)

2. Project Setting: Project is located between El Pueblo de Los Angeles and LAUS
Rural or Urban Urban
Current land uses Existing City of Los Angeles right-of-way (streets); LAUS Forecourt Area (parking and landscaping)
Adjacent land uses Transportation (LAUS; Santa Ana Freeway); Commercial/Office; and Retail (industrial, light industry, commercial, agricultural, residential, etc.)
3. Check federal, State, and local environmental and health regulatory agency records as necessary, to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets, as needed, to provide pertinent information for the proposed project. Reported soil or groundwater release cases identified in the area are not considered to have affected subsurface conditions beneath the Project area.
4. Conduct Field Inspection. Date April 24, 2017
Use the attached map to locate potential or known HW sites. Potential soil impacts associated with an historical gasoline station located at the southwest corner of Cesar Chavez and North Alameda Street. See attached Figure 2 from the May 11, 2017 Hazardous Waste Initial Site Assessment report for the Project.

STORAGE STRUCTURES / PIPELINES:

Underground tanks Not identified Surface tanks Not identified

Sumps Not observed Ponds: Not observed

Drums Not observed Basins Not observed

Transformers Within LAUS Forecourt Parking Lot; Other transformers noted on adjoining properties to the Project area.

Landfill Not identified

CONTAMINATION: (spills, leaks, illegal dumping, etc.)

Surface staining Not observed

Oil sheen Not observed

Odors No odors noted Vegetation damage Not observed

Other _____

HAZARDOUS MATERIALS: (asbestos, lead, etc.)

Buildings Not applicable

Spray-on fireproofing Not observed

Pipe wrap Not applicable

Friable tile Not applicable

Acoustical plaster Not applicable

Serpentine Not applicable

Paint Yellow paint striping on roadways

Other See No. 6 below.

Initial Site Assessment (ISA) Checklist

(continued)

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites. See attached Figure 2 from the Hazardous Waste Initial Site Assessment Report dated May 11, 2017.

6. Other comments and/or observations:
 - Railroad tracks were present along the center of Alameda Street since at least 1888 through 1970. Railroad track spurs were present branching from Alameda Street onto properties to the east. Several spur tracks were apparent on the northern portion of the LAUS Forecourt parking area between at least 1920 and 1938. The potential presence of hydrocarbons, metals and persistent pesticides in soil along or adjacent to the railroad tracks represents a potential environmental concern to the Project.
 - Elevated concentrations of lead (from use of leaded gasoline) and other metals are sometimes associated with older roadways. Based on a review of historical sources, Alameda Street, North Los Angeles Street, and Cesar Chavez (formerly Macy Street) have been present since at least 1888. Arcadia Street has been present since the mid-1950s. The areas along these roadways appear to have been paved (e.g., sidewalks or pavement associated with developed adjoining properties) since the advent of wide leaded gas distribution. However, the potential exists for aerially-deposited lead (ADL) to be present in shallow soil in unpaved areas along these roadways, or beneath existing pavement that may cover formerly exposed areas along these roadways that were not observed during review of historical sources.
 - Historical facilities are not considered environmental concerns, with one exception. Based on historical information reviewed, a gasoline station occupied the property located at the southwest corner of Alameda Street and Cesar Chavez between at least 1950 and 1964. This property was redeveloped as a parking lot. The location of former underground storage tank (UST) systems, including USTs and fuel dispensers, disposition of UST systems, and potential undocumented releases are unknown. The potential exists for subsurface impacts to be present as a result of this former facility.
 - Yellow traffic markings were observed on Alameda Street, Los Angeles Street, Arcadia Street, and on entry roads on LAUS property. Yellow traffic markings on Arcadia Street however, appear to be located outside the Project improvement areas. Yellow traffic markings (thermoplastic and paint) may potentially contain hazardous levels of lead chromate.
 - Electrical transformers were observed within and adjoining to the Project area. One transformer was observed in the northern parking lot of the LAUS Forecourt area. No evidence of staining, or leakage from the transformers was observed.
 - Based on information reviewed from the Division of Oil, Gas, and Geothermal Resources (DOGGR), the Project area is not depicted within the boundaries of a known oil or gas field, nor are oil or gas wells depicted within Project limits. The Los Angeles City Oil Field and Union Station Oil Field are located approximately 1,800 feet to the north and south of the Project area, respectively. Although not located within a known oil or gas field, it is possible that oil and gas seeps could be encountered in the Project area due to the proximity of the Site to oil/gas fields.

Initial Site Assessment (ISA) Checklist

(continued)

- According to information reviewed on the National Pipeline Mapping System (NPMS), Plains Pipeline, L.P. operates a crude oil pipeline, which runs parallel to, and beneath North Alameda Street through the Project area. This pipeline (ID number 13937) is currently in service. No accidental releases or incidents were reported within the Project area.
- Groundwater is not anticipated to be encountered in soil up to 20 feet below the ground surface (bgs), the anticipated depth of construction.

ISA Determination

1. Does the project have potential hazardous waste involvement? **Yes** If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? **Yes** If "YES," explain; then give an estimate of additional time required:

- The potential presence of hydrocarbons, metals and persistent pesticides in soil along or adjacent to former railroad tracks/railroad spurs represents a potential environmental concern to the Project. If railroad tracks remain beneath existing pavement along Alameda Street and in the northern portion of the existing LAUS Esplanade and Forecourt area parking lot, then soil planned to be disturbed as part of the Project improvements in the vicinity of the historical railroad tracks should be sampled and analyzed for the potential presence of petroleum hydrocarbons, metals and persistent pesticides. The samples should be analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), California Code of Regulation (CCR) Title 22 Metals, and organochlorine pesticides (OCPs) using United States Environmental Protection Agency (US EPA) Methods 8015B(M), 8260B, 6010B/7471A, and 8081, respectively.
- Elevated concentrations of lead (from use of leaded gasoline) and other metals are sometimes associated with older roadways. The areas along Project area roadways appear to have been paved (e.g., sidewalks or pavement associated with developed adjoining properties) since the advent of wide leaded gas distribution. However, the potential exists for ADL to be present in shallow soil in unpaved areas along these roadways, or beneath existing pavement that may cover formerly exposed areas along these roadways that were not observed during review of historical sources. Therefore, sampling for the presence of ADL is recommended in the unpaved areas within the Project area where soil disturbance is anticipated.
- Although not anticipated, should impacted soil (as evidenced by staining and/or odors) from historical on-Site or adjoining property use, be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities. The resident engineer overseeing construction should have available field monitoring equipment (e.g., photoionization detector [PID]) to facilitate timely detection of potentially hazardous conditions in the field.

Initial Site Assessment (ISA) Checklist

(continued)

- It is recommended that soil sampling be performed along the west side of Alameda Street within the Project area in the vicinity of the former gasoline station. Soil samples should be analyzed for the presence of TPH, VOCs, and lead using US EPA Methods 8015B(M), 8260B, and 6010B, respectively. Other historical facilities located west of Alameda Street are not considered environmental concerns.
- Yellow traffic markings (thermoplastic and paint) may potentially contain hazardous levels of lead chromate. If yellow traffic markings are removed separately from the adjacent pavement, the markings should be removed and sampled for lead chromate prior to construction, consistent with the current Caltrans' Standard Special Provision (SSP).
- Electrical transformers were observed within and adjoining to the Project area. Should transformer removal be required as part of the Project, the local utility company should be notified for proper testing and removal.
- Although not located within a known oil or gas field, it is possible that oil and gas seeps could be encountered in the Project area. The resident engineer overseeing construction should have available field monitoring equipment (e.g., PID) to facilitate timely detection of potentially hazardous gases in the field. In addition, should oil seeps be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities.
- Plains Pipeline, L.P. operates a crude oil pipeline, which runs parallel to, and beneath North Alameda Street through the Project area. Although not anticipated, should impacted soil (as evidenced by staining and/or odors) be encountered during construction activities, it is recommended that the Caltrans Unknown Hazard Procedures be implemented during construction activities.
- Although excavation activities associated with the proposed Project are not anticipated to encounter groundwater, should groundwater be encountered during construction/excavation activities and dewatering become necessary, then groundwater sampling, regulatory compliance and permitting should be consistent with Regional Water Quality Control Board (RWQCB) and National Pollutant Discharge Elimination System (NPDES) requirements.

ISA Conducted by:

Margaret R. Carroll
Environmental Professional

Date: May 11, 2017

Reviewed by:

Lizanne Simmons
California Professional Geologist No. 7431

Date: May 11, 2017



APPENDIX B
Regulatory Agency Database Report

800 North Alameda Street
800 North Alameda Street
Los Angeles, CA 90012

Inquiry Number: 4903788.2s
April 11, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

800 NORTH ALAMEDA STREET
LOS ANGELES, CA 90012

COORDINATES

Latitude (North): 34.0563490 - 34° 3' 22.85"
Longitude (West): 118.2370420 - 118° 14' 13.35"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 385831.4
UTM Y (Meters): 3768899.5
Elevation: 282 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5630795 LOS ANGELES, CA
Version Date: 2012

West Map: 5630741 HOLLYWOOD, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140515, 20140513
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
800 NORTH ALAMEDA STREET
LOS ANGELES, CA 90012

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	METROPOLITAN WATER D	800 N ALAMEDA ST	HAZNET		TP
A2	LOS ANGELES UNION PA	800 N ALAMEDA ST	HIST UST		TP
A3	NATIONAL RAILROAD PA	800 N ALAMEDA ST	HAZNET		TP
A4	LOS ANGELES UNION ST	800 N ALAMEDA ST	FINDS, ECHO		TP
A5	AMTRAK	800 N ALAMEDA ST	HAZNET		TP
A6		800 NORTH ALAMEDA ST	ERNS		TP
A7	CATELLUS DEVELOPMENT	800 N ALAMEDA	HAZNET, NPDES		TP
A8		LOS ANGELES UNION ST	CHMIRS		TP
A9	SOUTHERN CALIFORNIA	800 N ALAMEDA ST	HAZNET		TP
A10		LOS ANGELES UNION TE	CHMIRS		TP
A11		LA UPT UNION STATION	CHMIRS		TP
A12	LOS ANGELES PASSENGE	800 N ALAMEDA ST	HIST UST		TP
A13	UNION STATION	800 NORTH ALAMEDA ST	SEMS-ARCHIVE		TP
A14		800 N ALAMEDA BLVD	ERNS		TP
A15	NATIONAL RAILROAD PA	800 ALAMEDA	NPDES		TP
A16		800 NORTH ALAMEDA	ERNS		TP
A17		LOS ANGELES TRAIN ST	CHMIRS		TP
A18	LOS ANGELES UNION ST	800 N ALAMEDA ST	NPDES		TP
A19	L A UNION PASSENGER	800 N ALAMEDA ST	SWEEPS UST, HIST UST, CA FID UST, EMI, LA Co. Site...		TP
A20		800 N ALAMEDA	ERNS		TP
A21	LOS ANGELES UNION ST	800 N ALAMEDA ST	RCRA-LQG		TP
A22	AMTRAK	800 N ALAMEDA ST	HAZNET		TP
B23	LEE HONG	714 N ALAMEDA ST	EDR Hist Auto	Higher	1 ft.
B24	MUN SAM	719 N ALAMEDA ST	EDR Hist Cleaner	Higher	1 ft.
A25	METRO RAIL	UNION STATION	SLIC	Higher	1 ft.
B26	L A UNION PASSENGER	726 N ALAMEDA ST	SWEEPS UST, CA FID UST	Higher	1 ft.
B27	PACIFIC COAST SERVIC	701 N ALAMEDA ST	EDR Hist Auto	Lower	1 ft.
C28	ROMERO JUVENTINO	105 ARCADIA WY	EDR Hist Cleaner	Higher	2, 0.000,
C29	VELASCO FLORENZO	107 ARCADIA WY	EDR Hist Cleaner	Higher	3, 0.001,
30	MUN SAM	518 N LOS ANGELES ST	EDR Hist Cleaner	Higher	3, 0.001,
C31	KETCHAM J L	431 N MAIN	EDR Hist Auto	Higher	12, 0.002, WSW
D32	UNG HENRY	426 N LOS ANGELES ST	EDR Hist Auto	Higher	12, 0.002, WSW
33		880 N ALAMEDA ST	EDR Hist Auto	Higher	14, 0.003, North
E34	JEFFRIES G W	853 N ALAMEDA ST	EDR Hist Auto	Higher	135, 0.026, North
D35	KATZ BARNEY	410 N LOS ANGELES ST	EDR Hist Auto	Higher	161, 0.030, SW
C36	KENNEDY K S	323 ALISO ST	EDR Hist Auto	Higher	163, 0.031, WSW
E37	CHEVRON STATION NO.	901 ALAMEDA ST N	LUST	Higher	191, 0.036, North
E38	CHEVRON STATION #9-8	901 N ALAMEDA ST	UST	Higher	191, 0.036, North
E39	JOE BEZERRA CHEVRON	901 N ALAMEDA ST	SWEEPS UST, HIST UST	Higher	191, 0.036, North

MAPPED SITES SUMMARY

Target Property Address:
800 NORTH ALAMEDA STREET
LOS ANGELES, CA 90012

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E40	HAWK II ENVIRONMENTA	901 N ALAMEDA ST	EDR Hist Auto	Higher	191, 0.036, North
F41	B M SERVIE	620 N ALAMEDA ST	EDR Hist Auto	Lower	206, 0.039, SSW
D42	GEE LUNG CO	209 ALISO ST	EDR Hist Cleaner	Higher	208, 0.039, SW
D43	LEE SAM	213 ALISO ST	EDR Hist Cleaner	Higher	211, 0.040, SW
D44	YICK SAM	217 ALISO ST	EDR Hist Cleaner	Higher	214, 0.041, SW
45	HOP YUN	219 ALISO ST	EDR Hist Cleaner	Higher	216, 0.041, SW
G46	TERRAZAS MANUEL	608 N MAINE AVE	EDR Hist Cleaner	Higher	250, 0.047, WNW
H47	ENCINAS FRANK	651 N MAINE AVE	EDR Hist Auto	Higher	258, 0.049, NNW
H48	WEST COAST AUTO PART	649 N MAINE AVE	EDR Hist Auto	Higher	261, 0.049, NNW
49	METROPOLITAN WATER D	700 N ALAMEDA STREET	UST, FINDS	Higher	271, 0.051, SSE
G50	RIVERA T M	610 N MAINE AVE	EDR Hist Auto	Higher	275, 0.052, WNW
E51	ARCO SERVICE STATION	701 N MAIN ST	SWEEPS UST, CA FID UST	Higher	277, 0.052, NNW
G52	EL PUEBLO PLAZA	501 N. MAIN ST	RCRA-LQG	Higher	295, 0.056, West
F53	USDOJ BP MDC LA	535 N ALAMEDA	RCRA-SQG, FINDS, ECHO	Lower	426, 0.081, SSW
F54	METROPOLITAN DETENTI	535 N ALAMEDA ST	UST	Lower	426, 0.081, SSW
I55	WILLIAM E WARNE POWE	1.5 MI S/O I5/SMOKY	AST	Higher	461, 0.087, WNW
I56	CITY OF AVALON WAREH	1 FALLS CANYON RD	AST	Higher	461, 0.087, WNW
J57	US COURTHOUSE	312 N SPRING ST	HIST UST	Higher	468, 0.089, WSW
J58	GENERAL SERVICES ADM	312 N SPRING ST	SWEEPS UST, CA FID UST	Higher	468, 0.089, WSW
J59	US FEDERAL COURTHOUS	312 N SPRING ST	UST	Higher	468, 0.089, WSW
J60		300 N MAIN ST	EDR Hist Auto	Higher	488, 0.092, WSW
K61	TERMINAL ANNEX	900 N ALAMEDA	HIST UST	Higher	497, 0.094, NE
K62	U S POST OFFICE	900 N ALAMEDA ST	SWEEPS UST, CA FID UST	Higher	497, 0.094, NE
K63	USPS	900 N ALAMEDA ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	497, 0.094, NE
K64	U.S. POSTAL SERVICE	900 ALAMEDA ST N	LUST	Higher	497, 0.094, NE
K65	VERIZON GLOBAL NETWO	900 N ALAMEDA AVE	AST	Higher	497, 0.094, NE
K66	CORESITE	900 N ALAMEDA ST	AST	Higher	497, 0.094, NE
L67	GIBBS REALTY	739 N MAIN ST	SWEEPS UST, CA FID UST	Higher	503, 0.095, North
L68	JOHN PETTIT	1028 N ALAMEDA ST	CA FID UST	Higher	531, 0.101, North
M69		201 N LOS ANGELES ST	EDR Hist Cleaner	Higher	552, 0.105, WSW
M70	LA LOS ANGELES HALL	201 N LOS ANGELES	RCRA-SQG, FINDS	Higher	552, 0.105, WSW
M71	CVS PHARMACY #9603	201 NORTH LOS ANGELE	RCRA-LQG	Higher	552, 0.105, WSW
N72	RASMUSSEN A M	418 ALISO ST	EDR Hist Auto	Lower	565, 0.107, South
O73	HALL OF RECORDS/LACO	320 N BROADWAY	SWEEPS UST, CA FID UST	Higher	574, 0.109, West
O74	SARKISCON SARKIS	335 N BROADWAY	EDR Hist Cleaner	Higher	579, 0.110, West
P75	MOBIL #18-HDH	520 ALAMEDA ST N	LUST, HIST CORTESE	Lower	614, 0.116, SSW
P76	RICHARD KAKU	520 N ALAMEDA AVE	HIST UST	Lower	614, 0.116, SSW
P77	ALAMEDA MOBIL SERVIC	520 N ALAMEDA ST	SWEEPS UST, CA FID UST, CHMIRS	Lower	614, 0.116, SSW
P78	MOBIL #18-HDH	520 ALAMEDA ST N	LUST	Lower	614, 0.116, SSW

MAPPED SITES SUMMARY

Target Property Address:
800 NORTH ALAMEDA STREET
LOS ANGELES, CA 90012

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P79	KAKU RICHARD T	520 N ALAMEDA	EDR Hist Auto	Lower	614, 0.116, SSW
P80	RICHARD KAKU	520 N ALAMEDA ST	HIST UST	Lower	614, 0.116, SSW
P81	EXXONMOBIL OIL CORPO	520 N. ALAMEDA ST	RCRA-SQG	Lower	614, 0.116, SSW
P82	MOBIL SERVICE STATIO	520 N ALAMEDA ST	UST	Lower	614, 0.116, SSW
P83	RICHARDS FRIENDLY SE	520 N ALAMEDA ST	RCRA-SQG, HIST UST, FINDS, ECHO	Lower	614, 0.116, SSW
N84	COMMERCIAL STREET TR	430 COMMERCIAL STREE	RCRA-LQG	Lower	640, 0.121, South
N85	DEPT OF TRANSPORTATI	430 COMMERCIAL ST	CA FID UST	Lower	640, 0.121, South
Q86	STEVERS WM	606 NEW HIGH ST	EDR Hist Auto	Higher	645, 0.122, NW
Q87	BELLEVUE AUTO SERVI	600 NEW HIGH ST	EDR Hist Auto	Higher	645, 0.122, NW
L88	FIRST CENTRAL BANK	686 N SPRING ST	UST	Higher	646, 0.122, North
R89	LOS ANGELES COUNTY H	211 W TEMPLE	RCRA NonGen / NLR, FINDS, ECHO	Higher	681, 0.129, West
90	CITY OF LOS ANGELES	255 TEMPLE ST	SLIC	Lower	709, 0.134, SSW
N91	LA COMMERCIAL ST TRA	444 COMMERCIAL ST	RCRA-SQG, FINDS, ECHO	Lower	714, 0.135, SSE
S92	US GOVT, FED BLDG GS	300 N LOS ANGELES ST	SWEEPS UST, CA FID UST, EMI	Higher	718, 0.136, SW
S93	FEDERAL BUILDING	300 N LOS ANGELES ST	HIST UST	Higher	718, 0.136, SW
S94	1X FEDERAL BUILDING	300 N LOS ANGELES ST	HIST UST, HAZNET	Higher	718, 0.136, SW
N95	CENTRAL DISTRICT HQ	410 E DUCOMMUN ST	SWEEPS UST, HIST UST, CA FID UST	Lower	723, 0.137, South
N96	CENTRAL DISTRICT HQ	410 DUCOMMUN ST	UST, HIST UST, EMI	Lower	723, 0.137, South
97	LA TO PASADENA METRO		SLIC	Higher	728, 0.138, ENE
O98	CENTRAL HEATING PLAN	301 N BROADWAY	UST	Higher	766, 0.145, West
O99	LA COUNTY - CNTL HTG	301 N BROADWAY	AST	Higher	766, 0.145, West
O100	FACILITY 10723-2	301 BROADWAY	HIST CORTESE	Higher	766, 0.145, West
O101	LA CO., INTERNAL SER	301 N BROADWAY	SWEEPS UST, CA FID UST, EMI, LOS ANGELES CO. HMS	Higher	766, 0.145, West
P102	VETERANS ADMINISTRAT	461 N ALAMEDA ST	SWEEPS UST, CA FID UST	Lower	784, 0.148, SSW
R103	LA COUNTY CRIMINAL C	210 W TEMPLE ST	AST	Higher	805, 0.152, WSW
Q104	CATHAY MANOR	600 N BROADWAY	SWEEPS UST, CA FID UST	Higher	849, 0.161, NW
R105	CRIMINAL COURTS BLDG	210 W TEMPLE ST	HIST UST	Higher	881, 0.167, WSW
R106	COUNTY OF L.A.	210 W TEMPLE ST	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	881, 0.167, WSW
T107	S/P CO	501 COMMERCIAL ST	SWEEPS UST, CA FID UST	Lower	917, 0.174, SSE
T108	CALTRANS - COMMERCIA	501 E. COMMERCIAL ST	SLIC	Lower	917, 0.174, SSE
T109	CALTRANS - COMMERCIA	501 COMMERCIAL	SLIC, HIST CORTESE	Lower	917, 0.174, SSE
T110	PROPERTY	510 E COMMERCIAL ST	HIST UST	Lower	976, 0.185, SSE
U111	VA TEMPLE AMBULATORY	351 E TEMPLE ST	AST	Lower	988, 0.187, SSW
U112	USVA OUTPATIENT CLIN	351 E TEMPLE	RCRA-SQG, FINDS, ECHO	Lower	988, 0.187, SSW
113	PARKER CENTER	151 JUDGE JOHN AISO	LUST	Higher	990, 0.188, SSW
V114	LA CO PARKING GARAGE	1035 ALAMEDA ST N	LUST, HIST CORTESE	Higher	1013, 0.192, North
W115	LA CO REGIONAL PLANN	320 W TEMPLE ST	CA FID UST, LOS ANGELES CO. HMS	Higher	1055, 0.200, West
W116	HALL OF RECORD	320 W TEMPLE ST	HIST UST	Higher	1055, 0.200, West
W117	HALL OF RECORDS/ISD	320 W TEMPLE ST	UST	Higher	1055, 0.200, West

MAPPED SITES SUMMARY

Target Property Address:
800 NORTH ALAMEDA STREET
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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
W118	HALL OF RECORDS/ LA	320 W TEMPLE ST	AST	Higher	1055, 0.200, West
W119	DISTRIBUTING STATION	330 NORTH HILL ST	HIST UST	Higher	1078, 0.204, West
120	UNITED STATES POST O	760 N MAIN ST	SWEEPS UST, CA FID UST	Higher	1080, 0.205, NE
X121	LA FIRE STATION 4	800 N MAIN ST	RCRA-LQG, FINDS, ECHO	Higher	1100, 0.208, NNE
X122	LOS ANGELES FIRE STA	800 N MAIN ST	SWEEPS UST, CA FID UST	Higher	1100, 0.208, NNE
X123	FIRE STATION 4	800 N MAIN ST	HIST UST	Higher	1100, 0.208, NNE
X124	LA CITY FIRE STATION	800 MAIN ST N	LUST	Higher	1100, 0.208, NNE
Y125	SO CAL GAS/ALISO MGP	KELLER ST., VIGNES S	ENVIROSTOR, VCP	Higher	1109, 0.210, SE
Z126	IT CORP	400 W TEMPLE ST	SWEEPS UST, CA FID UST	Higher	1115, 0.211, West
AA127	LOS ANGELES CITY HAL	200 N SPRING ST	UST, SWEEPS UST, HIST UST, CA FID UST, EMI	Higher	1126, 0.213, SW
AA128	LOS ANGELES CITY HAL	200 N MAIN ST	UST	Higher	1126, 0.213, SW
AA129	LOS ANGELES CITY HAL	200 N MAIN ST	SWEEPS UST	Higher	1126, 0.213, SW
AA130	PLANNING DEPT LA CIT	200 N SPRING ST ROOM	RCRA-SQG, ICIS, FINDS, HAZNET	Higher	1126, 0.213, SW
AA131	CITY HALL	200 NORTH SPRING STR	RCRA-LQG	Higher	1126, 0.213, SW
AB132	GOLDEN NATURAL CO	934 AVILA ST	RCRA-LQG	Higher	1132, 0.214, ENE
V133	ALAMEDA STREET GARAG	1055 N ALAMEDA ST	SWEEPS UST, CA FID UST, HAZNET, LOS ANGELES CO...	Higher	1149, 0.218, North
V134	LA COUNTY PARKING SE	1055 N ALAMEDA ST	UST	Higher	1149, 0.218, North
V135	M P R FLEET SVCS INC	1055 N ALAMEDA ST	RCRA-SQG, FINDS, ECHO	Higher	1149, 0.218, North
Y136	PBR REALTY LLC	531 COMMERCIAL ST	LUST, SLIC	Lower	1175, 0.223, SE
AC137	PHASE II MALL ARCHIV	145 N BROADWAY	HIST UST	Higher	1208, 0.229, WSW
AC138	PHASE II MALL ARCHIV	145 N BROADWAY	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	1208, 0.229, WSW
AC139	AUTO PARK 10	145 N BROADWAY	UST	Higher	1208, 0.229, WSW
140	MAHMOUD M KOBAISSI	530 MACY ST	SWEEPS UST, CA FID UST	Higher	1213, 0.230, East
AD141	CORTINES SCHOOL OF V	450 N GRAND AVE	RCRA-LQG	Higher	1215, 0.230, WNW
AD142	LA USD/ADMIN OFFICES	450 N GRAND AVE	RCRA-SQG	Higher	1215, 0.230, WNW
AB143	MOGUL CORPORATION	967 NORTH VIGNES STR	ENVIROSTOR	Higher	1252, 0.237, ENE
AB144	MOGUL CORP WESTERN D	967 N VIGNES ST	SEMS-ARCHIVE, RCRA-SQG, FINDS, ECHO	Higher	1252, 0.237, ENE
AB145	MOGUL CORPORATION	967 VIGNES	HIST CORTESE	Higher	1252, 0.237, ENE
X146	MAGNUS CO INC	860 N MAIN ST	SEMS-ARCHIVE	Higher	1256, 0.238, NNE
X147	MAGNUS COMPANY, INC	860 NORTH MAIN STREE	ENVIROSTOR	Higher	1256, 0.238, NNE
148	VETERANS AFFAIRS OUT	351 TEMPLE ST E	LUST, HIST CORTESE	Lower	1263, 0.239, South
Z149	CATHEDRAL OF OUR LAD	555 W. TEMPLE STREET	SLIC	Higher	1263, 0.239, West
AE150	DEPARTMENT OF WATER	433 E TEMPLE ST	CA FID UST	Lower	1290, 0.244, SSE
AE151	LA DEPT OF WATER AND	433 E TEMPLE ST	UST	Lower	1290, 0.244, SSE
AE152	DEPARTMENT OF WATER	433 TEMPLE ST	SWEEPS UST	Lower	1290, 0.244, SSE
AE153	CENTRAL DISTRICT YAR	433 TEMPLE STREET	RCRA-LQG, FINDS, ECHO	Lower	1290, 0.244, SSE
AF154	CITY HALL EAST	200 N. MAIN STREET	RCRA-LQG, HIST UST	Higher	1308, 0.248, SW
AF155	LA CITY REPAIR SHOPS	800 CITY HALL E 200	RCRA-SQG, FINDS, ECHO	Higher	1308, 0.248, SW
AF156	LOS ANGELES CITY OF	200 N MAIN ST CHE RM	RCRA-SQG, FINDS, ECHO	Higher	1308, 0.248, SW

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800 NORTH ALAMEDA STREET
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AF157	LOS ANGELES CITY, BU	200 N MAIN ST, RM 15	RCRA-LQG	Higher	1308, 0.248, SW
158	THE CALIFORNIA ENDOW	1000 ALAMEDA ST. N.	LUST	Higher	1368, 0.259, NE
AG15976	PRODUCTS STATION	200 HILL	HIST CORTESE	Higher	1377, 0.261, West
AG160	LOS ANGELES CITY-TUJ	500' E TUJUNGA, 500'	WMUDS/SWAT	Higher	1445, 0.274, West
AG161	LA CO HALL OF ADMINI	500 TEMPLE ST W	LUST, HIST CORTESE	Higher	1445, 0.274, West
AH162	MOBIL #11-H41 (FORME	774 BROADWAY N	LUST	Higher	1448, 0.274, North
AH163	MORIO MATO	774 N BROADWAY	SLIC, HIST UST	Higher	1448, 0.274, North
AH164	MOBIL OIL CORP.	774 BROADWAY	SLIC	Higher	1448, 0.274, North
AI165	SO CAL GAS/ALISO A M	KELLER ST., VIGNES S	EDR MGP	Lower	1473, 0.279, ESE
AJ166	BANDINI CANYON POCKE	O'FARRELL AND BANDIN	US BROWNFIELDS, FINDS	Higher	1558, 0.295, SW
AI167	ALISO SECTOR A DENNY	530 RAMIREZ STREET	ENVIROSTOR, VCP, DEED	Lower	1599, 0.303, ESE
AI168	SO CAL GAS/ALISO MGP	KELLER ST, VIGNES ST	ENVIROSTOR, VCP	Lower	1615, 0.306, ESE
AI169	SO CAL GAS/ALISO SIT	TEMPLE/VIGNES/LYON/K	ENVIROSTOR, VCP	Lower	1618, 0.306, ESE
AJ170	CHANDLER LEASE PROPE	MAIN ST	SLIC, CHMIRS	Higher	1642, 0.311, SW
AK171	SO CAL GAS/ALISO SEC	NORTHWEST CORNER OF	ENVIROSTOR, VCP	Lower	1657, 0.314, SE
172	ADELANTE EASTSIDE	100 BROADWAY S	US BROWNFIELDS, FINDS	Higher	1659, 0.314, WSW
173	CATHEDRAL CHURCH	555 TEMPLE	SLIC	Higher	1666, 0.316, WNW
AL174	NORTHERN TRANSPORTAT		ENVIROSTOR	Lower	1674, 0.317, SSW
AJ175	LOS ANGELES AFS		LUST, MCS	Higher	1690, 0.320, SW
AM176	FANSTEEL CA DROP FOR	1033 ALHAMBRA AVE	RCRA-SQG, FINDS, EMI, HIST CORTESE, NPDES, WDS,...	Higher	1700, 0.322, NNE
AL177	ALAMEDA STREET WIDEN	201 N ALAMEDA ST 907	US BROWNFIELDS	Lower	1715, 0.325, South
AN178	RAMIREZ STREET INVES	APPROXIMATELY 400-FO	ENVIROSTOR, VCP	Lower	1729, 0.327, ESE
AN179	PIPER TECHNICAL CENT	555 RAMIREZ ST	LUST, UST	Lower	1735, 0.329, ESE
AN180	SO CAL GAS/ALISO B M	555 RAMIREZ STREET	EDR MGP	Lower	1735, 0.329, ESE
AN181	SO CAL GAS/ALISO B M	555 RAMIREZ STREET	ENVIROSTOR, LUST, VCP, HIST CORTESE	Lower	1735, 0.329, ESE
AO182	ALISO MANUFACTURING	600 EAST CEASAR CHAV	SLIC	Higher	1744, 0.330, East
183	MOBIL #11-HPB (FORME	706 SUNSET BLVD W	LUST, HIST CORTESE	Higher	1771, 0.335, NW
AO184	REGIONAL REBUILD CEN	900 LYON ST	SLIC, CHMIRS, EMI, WDS	Higher	1771, 0.335, East
AO185	METRO DIVISION 30	900 LYON ST	LUST, NPDES	Higher	1771, 0.335, East
AP186	INTERNATIONAL BANK P	943 N. MAIN ST	SLIC	Higher	1785, 0.338, NNE
AP187	INTERNATIONAL BANK P	943 MAIN	SLIC	Higher	1785, 0.338, NNE
188	ELIAS Y ZAWAHERI	766 N HILL ST	LUST, SWEEPS UST, CA FID UST, HIST CORTESE	Higher	1809, 0.343, NNW
AK189	SO CAL GAS/ALISO SEC	728 E. COMMERCIAL ST	ENVIROSTOR, VCP, DEED	Lower	1827, 0.346, SE
AQ190	FUELING STATION FORM	1135 ALAMEDA ST N	LUST	Higher	1875, 0.355, North
AR191	SO CAL GAS/ALISO C M	CENTER ST @ COMMERC	EDR MGP	Lower	1879, 0.356, SE
192	TIMES MIRROR CORPORA	145 SPRING ST S	LUST, HIST CORTESE	Higher	1888, 0.358, WSW
AS193	PARKER CENTER	151 SAN PEDRO	HIST CORTESE	Lower	1897, 0.359, SSW
AM194	LOS ANGELES RECYCLIN	1000 N MAIN ST	SWRCY, NPDES, WDS	Higher	1946, 0.369, NNE
AR195	SO CAL GAS/ALISO SEC	SOUTHWEST CORNER OF	ENVIROSTOR, VCP	Lower	1957, 0.371, SE

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AT196	UNOCAL CORP	501 CENTER ST	SLIC, HIST UST, EMI	Lower	1998, 0.378, SE
197	SO CAL GAS/ALISO D M	CESAR CHAVEZ AND LYO	EDR MGP	Higher	2008, 0.380, East
198	MANGROVE ESTATE, B.V	617 001ST ST E	LUST, HIST CORTESE	Lower	2035, 0.385, South
AQ199	UNION PACIFIC RAILRO	1245 NORTH SPRING ST	SLIC, NPDES	Higher	2046, 0.387, North
AQ200	CORNFIELD SITE	1245 N. SPRING STREE	ENVIROSTOR, VCP	Higher	2046, 0.387, North
AS201	UNION BANK OF CALIFO	120 SAN PEDRO STREET	LUST	Lower	2061, 0.390, SSW
202	AUTO PARK 18	145 N GRAND AVE	LUST	Higher	2067, 0.391, West
AQ203	VACANT	1245 SPRING	LUST, HIST CORTESE	Higher	2068, 0.392, North
AQ204	UNION PACIFIC RAILRO	1245 SPRING	SLIC	Higher	2068, 0.392, North
AU205	SO CAL GAS/ALISO D M	CESAR CHAVEZ AND LYO	ENVIROSTOR, VCP	Higher	2086, 0.395, East
206	FRIEDMAN BAG CO INC	801 E COMMERCIAL ST	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Lower	2098, 0.397, SE
AT207	A & H GREENFIELD SHE	830 E COMMERCIAL ST	SEMS-ARCHIVE	Lower	2109, 0.399, SE
AR208	MANLEY OIL COMPANY	410 CENTER ST	ENVIROSTOR, VCP, SWEEPS UST, CA FID UST, DEED	Lower	2147, 0.407, SE
AV209	LA COUNTY CENTRAL JA	441 BAUCHET	LUST, CHMIRS, HIST CORTESE	Higher	2151, 0.407, ENE
AV210	LA CO., SHERIFF'S DE	441 BAUCHET ST	LUST, HIST UST, EMI, LA Co. Site Mitigation	Higher	2151, 0.407, ENE
AT211	SO CAL GAS/ALISO SEC	NORTHEAST CORNER OF	ENVIROSTOR, VCP, DEED	Lower	2172, 0.411, SE
212	BLOSSOM PLAZA MIXED	900 NORTH BROADWAY S	ENVIROSTOR, VCP, ENF, NPDES	Higher	2190, 0.415, North
AV213	SO CAL GAS/ALISO E M	SECTOR E EXTENDS FRO	ENVIROSTOR, VCP, DEED	Higher	2197, 0.416, ENE
214	LOS ANGELES TIMES	214 002ND ST E	LUST, HIST CORTESE	Lower	2204, 0.417, SW
AU215	ALISO STREET INVESTI	BAUCHET STREET, TEMP	ENVIROSTOR, VCP	Higher	2294, 0.434, East
AW216	SO CAL GAS/ALISO SEC	SOUTHEAST AND SOUTHW	ENVIROSTOR, VCP	Lower	2315, 0.438, SE
AW217	ALISO SECTOR C BLOCK	820 EAST JACKSON STR	ENVIROSTOR, VCP	Lower	2371, 0.449, SE
218	HAIWEE RESERVOIR COM	111 N HOPE ST RM A18	HIST UST, Cortese	Higher	2379, 0.451, West
AX219	JIMMIE JOE'S TEXACO	900 HILL ST N	LUST	Higher	2436, 0.461, North
AX220	JIMMIE JOE'S TEXACO	900 HILL	ENF, HIST CORTESE	Higher	2436, 0.461, North
221	MENDOZA SERVICE, INC	866 CESAR CHAVEZ ST	LUST, HIST CORTESE	Higher	2484, 0.470, East
AY222	WITCO/ALLIED KELITE	1250 NORTH MAIN STRE	ENVIROSTOR, SLIC, VCP	Higher	2486, 0.471, NE
AZ223	BAUCHET ST SITE	490 BAUCHET ST	ENVIROSTOR, VCP, DEED, FINDS, ECHO	Higher	2539, 0.481, ENE
AZ224	SO CAL GAS/ALISO E	490 BAUCHET STREET A	EDR MGP	Higher	2539, 0.481, ENE
AZ225	BAUCHET PARTNERS	490 BAUCHET STREET	SEMS-ARCHIVE	Higher	2539, 0.481, ENE
BA226	BLUELINE PARCEL PA-0	924 SPRING	SLIC	Higher	2585, 0.490, NNE
BA227	BLUE LINE PARCEL PA-	924 N SPRING ST	SLIC	Higher	2585, 0.490, NNE
228	LA CITY DEPT WATER &	111 HOPE ST N	LUST	Higher	2603, 0.493, West
229	RELATED/LL BLOCK 8 L	235 SAN PEDRO	LUST	Lower	2605, 0.493, SSW
230	TIMES MIRROR	240 HILL ST S	LUST, HIST CORTESE	Higher	2613, 0.495, WSW
AY231	WILLIAM MEAD HOMES	1300 CARDINAL STREET	RESPONSE, ENVIROSTOR, HIST Cal-Sites, DEED,...	Higher	2627, 0.498, NE
232	SOUTHERN CALIFORNIA	KELLER YARD IN VICIN	ENVIROSTOR, VCP	Lower	2745, 0.520, ESE
233	SANTA FE/MACY STREET	MACY STREET/ALISO ST	ENVIROSTOR, VCP, DEED	Lower	2898, 0.549, ESE
234	AMETEK INC, L A DIE	340 CROCKER ST	ENVIROSTOR, EMI	Lower	3408, 0.645, SSW

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BB235	CHAMPION BRASS MFG.	1460 NAUD STREET	ENVIROSTOR	Higher	3569, 0.676, NNE
236	BANK OF AMERICA DATA	1000 W TEMPLE ST	ENVIROSTOR, SWEEPS UST, CA FID UST, EMI	Higher	3665, 0.694, WNW
BB237	CALIFORNIA BRASS MAN	1447 NAUD STREET	ENVIROSTOR	Higher	3734, 0.707, NNE
238	BELMONT LEARNING CEN	1ST STREET/BEAUDRY	ENVIROSTOR, SCH	Higher	3815, 0.723, WNW
BC239	EAST VALLEY AREA NEW	VINELAND AVENUE/CUMP	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC240	DOWNTOWN BUSINESS MA	1061 & 1081 WEST TEM	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC241	SANTA MONICA NEW PRI	SANTA MONICA BLVD/GO	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC242	HOOVER NEW PRIMARY C	EAST 52ND STREET/HOO	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC243	FREMONT NEW PRIMARY	MENLO AVENUE/BARING	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC244	BELMONT NEW PRIMARY	218/220/222/224 N. J	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC245	CAHUENGA NEW ELEMENT	WESTERN AVENUE/OXFOR	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC246	EAST LOS ANGELES HIG	BELVEDERE PARK/CESAR	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC247	WEEMES ELEMENTARY SC	1201-1203, 1205, 120	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC248	BELMONT NEW PRIMARY	LAKE STREET/ROSELAKE	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC249	CENTRAL LOS ANGELES	BROADWAY/GRAND AVE/3	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC250	JEFFERSON NEW ELEMEN	WADSWORTH AVENUE/52ND	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC251	PIO PICO PLAYGROUND	1313, 1325, 1327, 13	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC252	VINE NEW PRIMARY CEN	LA MIRADA AVE/CAHUEN	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC253	MARSHALL NEW PRIMARY	LEXINGTON AVE/WESTMO	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC254	EAST VALLEY MIDDLE S	LAUREL CANYON BOULEV	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
BC255	WILSON NEW ELEMENTAR	HUNTINGTON DR/LIFUR	ENVIROSTOR, SCH	Higher	3848, 0.729, WSW
256	EAST LOS ANGELES HIG	EAST 1ST STREET/NORT	ENVIROSTOR, SCH	Lower	3866, 0.732, SE
257	NAVAL RESERVE ARMORY		ENVIROSTOR	Higher	4084, 0.773, NNW
BD258	US MARINE CORPS RESE	1700 STADIUM WAY	LUST, HIST Cal-Sites, SWEEPS UST, CA FID UST	Higher	4182, 0.792, NNW
BD259	LOS ANGELES NAVAL &	1700 STADIUM WAY	RESPONSE, ENVIROSTOR, SLIC, DEED, MCS, HAZNET,...	Higher	4182, 0.792, NNW
260	VISTA HERMOSA	1101 W. 1ST STREET	ENVIROSTOR, SCH	Higher	4207, 0.797, WNW
BE261	LA DEPARTMENT WATER	1630 N MAIN ST STE 1	ENVIROSTOR	Higher	4288, 0.812, NE
BE262	MAIN STREET CENTER	1630 NORTH MAIN STRE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	4288, 0.812, NE
BE263	MAIN STREET OIL DEPO	1630 MAIN ST N	ENVIROSTOR, LUST, VCP, HIST CORTESE	Higher	4288, 0.812, NE
BE264	SO CAL GAS/ LA MAIN	1630 NORTH MAIN STRE	EDR MGP	Higher	4288, 0.812, NE
265	EMPIRE CHEMICAL COMP	715 LAMAR STREET	ENVIROSTOR, LUST, HIST UST, EMI, HIST CORTESE	Higher	4636, 0.878, NE
266	TRUFLEX RUBBER	1667 N MAIN ST	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, SLIC, FINDS,...	Higher	4899, 0.928, NE
267	WEST SIXTH & BROADWA	314 W. SIXTH STREET	ENVIROSTOR, EMI	Lower	4907, 0.929, SW
BF268	CENTRAL REGION HIGH	EAST 52ND STREET/SAN	ENVIROSTOR, SCH	Higher	4935, 0.935, West
BF269	SOUTH REGION ELEMENT	EAST 89TH STREET/EAS	ENVIROSTOR, SCH	Higher	4935, 0.935, West
270	LOS ANGELES TRANSIT	750 LAMAR STREET	ENVIROSTOR, VCP, CHMIRS, HAZNET, NPDES	Higher	4951, 0.938, ENE
271	PARK CENTRAL BUILDIN	412 W 6TH ST	RCRA-SQG, ENVIROSTOR, FINDS, ECHO	Lower	5049, 0.956, WSW
272	M & M HOLDING, LLC	629 S. HILL STREET #	ENVIROSTOR	Lower	5263, 0.997, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
METROPOLITAN WATER D 800 N ALAMEDA ST LOS ANGELES, CA 90012	HAZNET GEPaid: CAC000760848	N/A
LOS ANGELES UNION PA 800 N ALAMEDA ST LOS ANGELES, CA 90012	HIST UST Facility Id: 00000061183	N/A
NATIONAL RAILROAD PA 800 N ALAMEDA ST LOS ANGELES, CA 90012	HAZNET GEPaid: CAL000218970	N/A
LOS ANGELES UNION ST 800 N ALAMEDA ST LOS ANGELES, CA 90012	FINDS Registry ID:: 110060232172 ECHO	N/A
AMTRAK 800 N ALAMEDA ST LOS ANGELES, CA 90012	HAZNET GEPaid: CAC002269665	N/A
800 NORTH ALAMEDA ST 800 NORTH ALAMEDA ST LOS ANGELES, CA	ERNS NRC Report #: 979169	N/A
CATELLUS DEVELOPMENT 800 N ALAMEDA LOS ANGELES, CA 90012	HAZNET GEPaid: CAL000120248 NPDES Facility Status: Active	N/A
LOS ANGELES UNION ST LOS ANGELES UNION ST LOS ANGELES, CA	CHMIRS OES Incident Number: 1-3464	N/A
SOUTHERN CALIFORNIA 800 N ALAMEDA ST LOS ANGELES, CA 90012	HAZNET GEPaid: CAC002694223	N/A
LOS ANGELES UNION TE LOS ANGELES UNION TE LOS ANGELES, CA	CHMIRS	N/A

EXECUTIVE SUMMARY

OES Incident Number: 5-6548

LA UPT UNION STATION
LA UPT UNION STATION
LOS ANGELES, CA 90012

CHMIRS
OES Incident Number: 11026

N/A

LOS ANGELES PASSENGE
800 N ALAMEDA ST
LOS ANGELES, CA 90012

HIST UST
Facility Id: 00000050500

N/A

UNION STATION
800 NORTH ALAMEDA ST
LOS ANGELES, CA 90012

SEMS-ARCHIVE
Site ID: 0900013
EPA Id: CAD983566571

CAD983566571

800 N ALAMEDA BLVD
800 N ALAMEDA BLVD
LOS ANGELES, CA

ERNS
NRC Report #: 55250

N/A

NATIONAL RAILROAD PA
800 ALAMEDA
LOS ANGELES, CA 90012

NPDES
Facility Status: Terminated

N/A

800 NORTH ALAMEDA
800 NORTH ALAMEDA
LOS ANGELES, CA 90065

ERNS
NRC Report #: 315100

N/A

LOS ANGELES TRAIN ST
LOS ANGELES TRAIN ST
LOS ANGELES, CA

CHMIRS
OES Incident Number: 16-5095

N/A

LOS ANGELES UNION ST
800 N ALAMEDA ST
LOS ANGELES, CA 90012

NPDES

N/A

L A UNION PASSENGER
800 N ALAMEDA ST
LOS ANGELES, CA 90021

SWEEPS UST
Status: A
Tank Status: A
Comp Number: 3356

HIST UST
CA FID UST

N/A

EXECUTIVE SUMMARY

Facility Id: 19004169
Status: A

EMI
Facility Id: 4954

LA Co. Site Mitigation
Case ID: RO0000468
Site ID: SD0011772

WDS
Facility Status: A
Facility Id: 4 19I014245

800 N ALAMEDA
800 N ALAMEDA
LOS ANGELES, CA

ERNS
NRC Report #: 779302

N/A

LOS ANGELES UNION ST
800 N ALAMEDA ST
LOS ANGELES, CA 90012

RCRA-LQG
EPA ID:: CAR000247015

CAR000247015

AMTRAK
800 N ALAMEDA ST
LOS ANGELES, CA 90012

HAZNET
GEPAID: CAC002105656

N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

EXECUTIVE SUMMARY

SEMS..... Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... San Gabriel Valley Areas of Concern

US HIST CDL..... Delisted National Clandestine Laboratory Register

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
CA BOND EXP. PLAN..... Bond Expenditure Plan
CUPA Listings..... CUPA Resources List
DRYCLEANERS..... Cleaner Facilities
ENF..... Enforcement Action Listing
Financial Assurance..... Financial Assurance Information Listing
ICE..... ICE

EXECUTIVE SUMMARY

LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WIP	Well Investigation Program Case List
FUELS PROGRAM	EPA Fuels Program Registered Listing
ABANDONED MINES	Abandoned Mines

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/10/2016 has revealed that there are 4 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOGUL CORP WESTERN D	967 N VIGNES ST	ENE 1/8 - 1/4 (0.237 mi.)	AB144	165
MAGNUS CO INC	860 N MAIN ST	NNE 1/8 - 1/4 (0.238 mi.)	X146	168
BAUCHET PARTNERS	490 BAUCHET STREET	ENE 1/4 - 1/2 (0.481 mi.)	AZ225	401

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A & H GREENFIELD SHE	830 E COMMERCIAL ST	SE 1/4 - 1/2 (0.399 mi.)	AT207	324

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAIN STREET CENTER	1630 NORTH MAIN STRE	NE 1/2 - 1 (0.812 mi.)	BE262	551

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 10 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EL PUEBLO PLAZA	501 N. MAIN ST	W 0 - 1/8 (0.056 mi.)	G52	47
CVS PHARMACY #9603	201 NORTH LOS ANGELE	WSW 0 - 1/8 (0.105 mi.)	M71	65
LA FIRE STATION 4	800 N MAIN ST	NNE 1/8 - 1/4 (0.208 mi.)	X121	128
CITY HALL	200 NORTH SPRING STR	SW 1/8 - 1/4 (0.213 mi.)	AA131	148
GOLDEN NATURAL CO	934 AVILA ST	ENE 1/8 - 1/4 (0.214 mi.)	AB132	149
CORTINES SCHOOL OF V	450 N GRAND AVE	WNW 1/8 - 1/4 (0.230 mi.)	AD141	161
CITY HALL EAST	200 N. MAIN STREET	SW 1/8 - 1/4 (0.248 mi.)	AF154	181
LOS ANGELES CITY, BU	200 N MAIN ST, RM 15	SW 1/8 - 1/4 (0.248 mi.)	AF157	189

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMMERCIAL STREET TR	430 COMMERCIAL STREE	S 0 - 1/8 (0.121 mi.)	N84	84
CENTRAL DISTRICT YAR	433 TEMPLE STREET	SSE 1/8 - 1/4 (0.244 mi.)	AE153	176

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 12 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LA LOS ANGELES HALL	201 N LOS ANGELES	WSW 0 - 1/8 (0.105 mi.)	M70	64
PLANNING DEPT LA CIT	200 N SPRING ST ROOM	SW 1/8 - 1/4 (0.213 mi.)	AA130	146
M P R FLEET SVCS INC	1055 N ALAMEDA ST	N 1/8 - 1/4 (0.218 mi.)	V135	153
LA USD/ADMIN OFFICES	450 N GRAND AVE	WNW 1/8 - 1/4 (0.230 mi.)	AD142	162
MOGUL CORP WESTERN D	967 N VIGNES ST	ENE 1/8 - 1/4 (0.237 mi.)	AB144	165
LA CITY REPAIR SHOPS	800 CITY HALL E 200	SW 1/8 - 1/4 (0.248 mi.)	AF155	186
LOS ANGELES CITY OF	200 N MAIN ST CHE RM	SW 1/8 - 1/4 (0.248 mi.)	AF156	187
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USDOJ BP MDC LA	535 N ALAMEDA	SSW 0 - 1/8 (0.081 mi.)	F53	48
EXXONMOBIL OIL CORPO	520 N. ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P81	80
RICHARDS FRIENDLY SE	520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P83	82
LA COMMERCIAL ST TRA	444 COMMERCIAL ST	SSE 1/8 - 1/4 (0.135 mi.)	N91	89
USVA OUTPATIENT CLIN	351 E TEMPLE	SSW 1/8 - 1/4 (0.187 mi.)	U112	117

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 2 RESPONSE sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WILLIAM MEAD HOMES AWP Facility Id: 19290312 Status: Active Facility Id: 19290312	1300 CARDINAL STREET	NE 1/4 - 1/2 (0.498 mi.)	AY231	410
LOS ANGELES NAVAL & Database: RESPONSE, Date of Government Version: 10/31/2016 Status: Active Facility Id: 19970021	1700 STADIUM WAY	NNW 1/2 - 1 (0.792 mi.)	BD259	530

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal

EXECUTIVE SUMMARY

Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there are 62 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/ALISO MGP Facility Id: 19490240 Status: Active	KELLER ST., VIGNES S	SE 1/8 - 1/4 (0.210 mi.)	Y125	134
MOGUL CORPORATION Facility Id: 19510059 Status: No Further Action	967 NORTH VIGNES STR	ENE 1/8 - 1/4 (0.237 mi.)	AB143	164
MAGNUS COMPANY, INC Facility Id: 19370356 Status: No Further Action	860 NORTH MAIN STREE	NNE 1/8 - 1/4 (0.238 mi.)	X147	168
CORNFIELD SITE Facility Id: 19400013 Status: Active	1245 N. SPRING STREE	N 1/4 - 1/2 (0.387 mi.)	AQ200	298
SO CAL GAS/ALISO D M Facility Id: 19490243 Status: Active	CESAR CHAVEZ AND LYO	E 1/4 - 1/2 (0.395 mi.)	AU205	310
BLOSSOM PLAZA MIXED Facility Id: 60001902 Status: Certified	900 NORTH BROADWAY S	N 1/4 - 1/2 (0.415 mi.)	212	348
SO CAL GAS/ALISO E M Facility Id: 70000159 Status: Active	SECTOR E EXTENDS FRO	ENE 1/4 - 1/2 (0.416 mi.)	AV213	360
ALISO STREET INVESTI Facility Id: 60001142 Status: Active	BAUCHET STREET, TEMP	E 1/4 - 1/2 (0.434 mi.)	AU215	367
WITCO/ALLIED KELITE Facility Id: 19281211 Status: No Further Action	1250 NORTH MAIN STRE	NE 1/4 - 1/2 (0.471 mi.)	AY222	392
BAUCHET ST SITE Facility Id: 19490241 Status: Active	490 BAUCHET ST	ENE 1/4 - 1/2 (0.481 mi.)	AZ223	395
WILLIAM MEAD HOMES Facility Id: 19290312 Status: Active	1300 CARDINAL STREET	NE 1/4 - 1/2 (0.498 mi.)	AY231	410
CHAMPION BRASS MFG. Facility Id: 19340795 Status: Refer: 1248 Local Agency	1460 NAUD STREET	NNE 1/2 - 1 (0.676 mi.)	BB235	444
BANK OF AMERICA DATA Facility Id: 71003397 Status: Refer: Other Agency	1000 W TEMPLE ST	WNW 1/2 - 1 (0.694 mi.)	236	445
CALIFORNIA BRASS MAN	1447 NAUD STREET	NNE 1/2 - 1 (0.707 mi.)	BB237	451

EXECUTIVE SUMMARY

Facility Id: 19330209 Status: Refer: Other Agency				
BELMONT LEARNING CEN Facility Id: 19820013 Status: No Action Required	1ST STREET/BEAUDRY	WNW 1/2 - 1 (0.723 mi.)	238	452
EAST VALLEY AREA NEW Facility Id: 19000011 Status: Certified	VINELAND AVENUE/CUMP	WSW 1/2 - 1 (0.729 mi.)	BC239	456
DOWNTOWN BUSINESS MA Facility Id: 19000017 Status: No Action Required	1061 & 1081 WEST TEM	WSW 1/2 - 1 (0.729 mi.)	BC240	461
SANTA MONICA NEW PRI Facility Id: 19880035 Status: No Further Action	SANTA MONICA BLVD/GO	WSW 1/2 - 1 (0.729 mi.)	BC241	464
HOOPER NEW PRIMARY C Facility Id: 19880043 Status: No Action Required	EAST 52ND STREET/HOO	WSW 1/2 - 1 (0.729 mi.)	BC242	467
FREMONT NEW PRIMARY Facility Id: 19880023 Status: No Further Action	MENLO AVENUE/BARING	WSW 1/2 - 1 (0.729 mi.)	BC243	470
BELMONT NEW PRIMARY Facility Id: 19390060 Status: No Action Required	218/220/222/224 N. J	WSW 1/2 - 1 (0.729 mi.)	BC244	473
CAHUENGA NEW ELEMENT Facility Id: 19730195 Status: No Further Action	WESTERN AVENUE/OXFOR	WSW 1/2 - 1 (0.729 mi.)	BC245	475
EAST LOS ANGELES HIG Facility Id: 19820069 Status: Inactive - Needs Evaluation	BELVEDERE PARK/CESAR	WSW 1/2 - 1 (0.729 mi.)	BC246	479
WEEMES ELEMENTARY SC Facility Id: 19880015 Status: Certified	1201-1203, 1205, 120	WSW 1/2 - 1 (0.729 mi.)	BC247	481
BELMONT NEW PRIMARY Facility Id: 19880022 Status: No Further Action	LAKE STREET/ROSELAKE	WSW 1/2 - 1 (0.729 mi.)	BC248	486
CENTRAL LOS ANGELES Facility Id: 19390058 Status: Certified	BROADWAY/GRAND AVE/3	WSW 1/2 - 1 (0.729 mi.)	BC249	489
JEFFERSON NEW ELEMEN Facility Id: 19880016 Status: Certified	WADSWORTH AVENUE/52ND	WSW 1/2 - 1 (0.729 mi.)	BC250	496
PIO PICO PLAYGROUND Facility Id: 19880036 Status: No Action Required	1313, 1325, 1327, 13	WSW 1/2 - 1 (0.729 mi.)	BC251	501
VINE NEW PRIMARY CEN Facility Id: 19650022 Status: Inactive - Action Required	LA MIRADA AVE/CAHUEN	WSW 1/2 - 1 (0.729 mi.)	BC252	504
MARSHALL NEW PRIMARY Facility Id: 19650016	LEXINGTON AVE/WESTMO	WSW 1/2 - 1 (0.729 mi.)	BC253	507

EXECUTIVE SUMMARY

Status: No Further Action				
EAST VALLEY MIDDLE S	LAUREL CANYON BOULEV	WSW 1/2 - 1 (0.729 mi.)	BC254	510
Facility Id: 19750089				
Status: Certified				
WILSON NEW ELEMENTAR	HUNTINGTON DR/LIFUR	WSW 1/2 - 1 (0.729 mi.)	BC255	514
Facility Id: 19880033				
Status: No Further Action				
NAVAL RESERVE ARMORY		NNW 1/2 - 1 (0.773 mi.)	257	525
Facility Id: 80000854				
Status: Inactive - Needs Evaluation				
LOS ANGELES NAVAL &	1700 STADIUM WAY	NNW 1/2 - 1 (0.792 mi.)	BD259	530
Facility Id: 19970021				
Status: Active				
VISTA HERMOSA	1101 W. 1ST STREET	WNW 1/2 - 1 (0.797 mi.)	260	537
Facility Id: 60000001				
Status: Certified / Operation & Maintenance				
LA DEPARTMENT WATER	1630 N MAIN ST STE 1	NE 1/2 - 1 (0.812 mi.)	BE261	547
Facility Id: 80001337				
Status: Active				
MAIN STREET OIL DEPO	1630 MAIN ST N	NE 1/2 - 1 (0.812 mi.)	BE263	603
Facility Id: 19490230				
Status: Inactive - Needs Evaluation				
EMPIRE CHEMICAL COMP	715 LAMAR STREET	NE 1/2 - 1 (0.878 mi.)	265	610
Facility Id: 19281206				
Status: Refer: Other Agency				
TRUFLEX RUBBER	1667 N MAIN ST	NE 1/2 - 1 (0.928 mi.)	266	614
Facility Id: 19300234				
Status: Inactive - Needs Evaluation				
CENTRAL REGION HIGH	EAST 52ND STREET/SAN	W 1/2 - 1 (0.935 mi.)	BF268	620
Facility Id: 60000392				
Status: Certified				
SOUTH REGION ELEMENT	EAST 89TH STREET/EAS	W 1/2 - 1 (0.935 mi.)	BF269	626
Facility Id: 60000393				
Status: Certified				
LOS ANGELES TRANSIT	750 LAMAR STREET	ENE 1/2 - 1 (0.938 mi.)	270	630
Facility Id: 60001944				
Status: Active				
Lower Elevation	Address	Direction / Distance	Map ID	Page
ALISO SECTOR A DENNY	530 RAMIREZ STREET	ESE 1/4 - 1/2 (0.303 mi.)	AI167	202
Facility Id: 60001379				
Status: Certified / Operation & Maintenance				
SO CAL GAS/ALISO MGP	KELLER ST, VIGNES ST	ESE 1/4 - 1/2 (0.306 mi.)	AI168	204
Facility Id: 19490235				
Status: Active				
SO CAL GAS/ALISO SIT	TEMPLE/VIGNES/LYON/K	ESE 1/4 - 1/2 (0.306 mi.)	AI169	209
Facility Id: 19490248				
Status: Active				
SO CAL GAS/ALISO SEC	NORTHWEST CORNER OF	SE 1/4 - 1/2 (0.314 mi.)	AK171	217

EXECUTIVE SUMMARY

Facility Id: 60000173				
Status: Active				
NORTHERN TRANSPORTAT		SSW 1/4 - 1/2 (0.317 mi.)	AL174	223
Facility Id: 80001119				
Status: Inactive - Needs Evaluation				
RAMIREZ STREET INVES	APPROXIMATELY 400-FO	ESE 1/4 - 1/2 (0.327 mi.)	AN178	240
Facility Id: 60001993				
Status: Active				
SO CAL GAS/ALISO B M	555 RAMIREZ STREET	ESE 1/4 - 1/2 (0.329 mi.)	AN181	245
Facility Id: 19490244				
Status: Active				
SO CAL GAS/ALISO SEC	728 E. COMMERCIAL ST	SE 1/4 - 1/2 (0.346 mi.)	AK189	271
Facility Id: 19490242				
Status: Certified O&M - Land Use Restrictions Only				
SO CAL GAS/ALISO SEC	SOUTHWEST CORNER OF	SE 1/4 - 1/2 (0.371 mi.)	AR195	286
Facility Id: 60000169				
Status: Active				
MANLEY OIL COMPANY	410 CENTER ST	SE 1/4 - 1/2 (0.407 mi.)	AR208	325
Facility Id: 60000170				
Status: Certified O&M - Land Use Restrictions Only				
SO CAL GAS/ALISO SEC	NORTHEAST CORNER OF	SE 1/4 - 1/2 (0.411 mi.)	AT211	344
Facility Id: 60000171				
Status: Active				
SO CAL GAS/ALISO SEC	SOUTHEAST AND SOUTHW	SE 1/4 - 1/2 (0.438 mi.)	AW216	370
Facility Id: 60000172				
Status: Active				
ALISO SECTOR C BLOCK	820 EAST JACKSON STR	SE 1/4 - 1/2 (0.449 mi.)	AW217	373
Facility Id: 60001890				
Status: Active				
SOUTHERN CALIFORNIA	KELLER YARD IN VICIN	ESE 1/2 - 1 (0.520 mi.)	232	432
Facility Id: 60001137				
Status: No Further Action				
SANTA FE/MACY STREET	MACY STREET/ALISO ST	ESE 1/2 - 1 (0.549 mi.)	233	436
Facility Id: 19400010				
Status: Certified O&M - Land Use Restrictions Only				
AMETEK INC, L A DIE	340 CROCKER ST	SSW 1/2 - 1 (0.645 mi.)	234	442
Facility Id: 71003622				
Status: Refer: Other Agency				
EAST LOS ANGELES HIG	EAST 1ST STREET/NORT	SE 1/2 - 1 (0.732 mi.)	256	518
Facility Id: 60000006				
Status: Certified				
WEST SIXTH & BROADWA	314 W. SIXTH STREET	SW 1/2 - 1 (0.929 mi.)	267	619
Facility Id: 71003112				
Status: Refer: Other Agency				
PARK CENTRAL BUILDIN	412 W 6TH ST	WSW 1/2 - 1 (0.956 mi.)	271	640
Facility Id: 71003138				
Status: Refer: Other Agency				
M & M HOLDING, LLC	629 S. HILL STREET #	SW 1/2 - 1 (0.997 mi.)	272	644
Facility Id: 71003306				

EXECUTIVE SUMMARY

Status: Refer: Other Agency

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 33 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION NO. Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Global Id: T0603708220	901 ALAMEDA ST N	N 0 - 1/8 (0.036 mi.)	E37	39
U.S. POSTAL SERVICE Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120316 Status: Case Closed Global Id: T0603700527 Global ID: T0603700527	900 ALAMEDA ST N	NE 0 - 1/8 (0.094 mi.)	K64	58
PARKER CENTER Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120352 Status: Preliminary site assessment underway Global Id: T0603700531 Global ID: T0603700531	151 JUDGE JOHN AISO	SSW 1/8 - 1/4 (0.188 mi.)	113	119
LA CO PARKING GARAGE Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120161 Status: Case Closed Global Id: T0603700513 Global ID: T0603700513	1035 ALAMEDA ST N	N 1/8 - 1/4 (0.192 mi.)	V114	123
LA CITY FIRE STATION Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120443 Status: Leak being confirmed Global Id: T0603793074 Global ID: T0603793074	800 MAIN ST N	NNE 1/8 - 1/4 (0.208 mi.)	X124	132
THE CALIFORNIA ENDOW Database: LUST, Date of Government Version: 12/12/2016	1000 ALAMEDA ST. N.	NE 1/4 - 1/2 (0.259 mi.)	158	190

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Global Id: T0603790166

<p>LA CO HALL OF ADMINI Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120389 Status: Case Closed Global Id: T0603700533 Global ID: T0603700533</p>	<p>500 TEMPLE ST W</p>	<p>W 1/4 - 1/2 (0.274 mi.)</p>	<p>AG161</p>	<p>193</p>
<p>MOBIL #11-H41 (FORME Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900310125 Status: Case Closed Global Id: T0603700793 Global ID: T0603700793</p>	<p>774 BROADWAY N</p>	<p>N 1/4 - 1/2 (0.274 mi.)</p>	<p>AH162</p>	<p>195</p>
<p>LOS ANGELES AFS Database: LUST REG 4, Date of Government Version: 09/07/2004 Global ID: T0603737987</p>		<p>SW 1/4 - 1/2 (0.320 mi.)</p>	<p>AJ175</p>	<p>224</p>
<p>MOBIL #11-HPB (FORME Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120189 Status: Case Closed Global Id: T0603700514 Global ID: T0603700514</p>	<p>706 SUNSET BLVD W</p>	<p>NW 1/4 - 1/2 (0.335 mi.)</p>	<p>183</p>	<p>252</p>
<p>METRO DIVISION 30 Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 900120461 Status: Preliminary site assessment underway Global ID: T0603799304</p>	<p>900 LYON ST</p>	<p>E 1/4 - 1/2 (0.335 mi.)</p>	<p>AO185</p>	<p>263</p>
<p>ELIAS Y ZAWAHERI Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120089 Status: Case Closed Global Id: T0603700507 Global ID: T0603700507</p>	<p>766 N HILL ST</p>	<p>NNW 1/4 - 1/2 (0.343 mi.)</p>	<p>188</p>	<p>268</p>
<p>FUELING STATION FORM Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Global Id: T10000006317</p>	<p>1135 ALAMEDA ST N</p>	<p>N 1/4 - 1/2 (0.355 mi.)</p>	<p>AQ190</p>	<p>277</p>
<p>TIMES MIRROR CORPORA Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120061 Status: Case Closed</p>	<p>145 SPRING ST S</p>	<p>WSW 1/4 - 1/2 (0.358 mi.)</p>	<p>192</p>	<p>280</p>

EXECUTIVE SUMMARY

Global Id: T0603700505				
Global ID: T0603700505				
AUTO PARK 18	145 N GRAND AVE	W 1/4 - 1/2 (0.391 mi.)	202	306
Database: LUST, Date of Government Version: 12/12/2016				
Status: Open - Site Assessment				
Global Id: T0603759109				
VACANT	1245 SPRING	N 1/4 - 1/2 (0.392 mi.)	AQ203	309
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: 900120425				
Status: Preliminary site assessment underway				
Global ID: T0603700537				
LA COUNTY CENTRAL JA	441 BAUCHET	ENE 1/4 - 1/2 (0.407 mi.)	AV209	333
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Global Id: T0603700525				
LA CO., SHERIFF'S DE	441 BAUCHET ST	ENE 1/4 - 1/2 (0.407 mi.)	AV210	336
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: 900120298				
Status: Case Closed				
Global ID: T0603700525				
JIMMIE JOE'S TEXACO	900 HILL ST N	N 1/4 - 1/2 (0.461 mi.)	AX219	378
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Status: Open - Remediation				
Facility Id: 900120343				
Status: Preliminary site assessment underway				
Global Id: T0603700530				
Global ID: T0603700530				
MENDOZA SERVICE, INC	866 CESAR CHAVEZ ST	E 1/4 - 1/2 (0.470 mi.)	221	390
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 900120307				
Status: Case Closed				
Global Id: T0603700526				
Global ID: T0603700526				
LA CITY DEPT WATER &	111 HOPE ST N	W 1/4 - 1/2 (0.493 mi.)	228	403
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 900120070				
Status: Post remedial action monitoring				
Global Id: T0603700506				
Global ID: T0603700506				
TIMES MIRROR	240 HILL ST S	WSW 1/4 - 1/2 (0.495 mi.)	230	408
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 900120107				
Status: Case Closed				
Global Id: T0603700509				
Global ID: T0603700509				
Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-HDH	520 ALAMEDA ST N	SSW 0 - 1/8 (0.116 mi.)	P75	69
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Database: LUST, Date of Government Version: 12/12/2016				

EXECUTIVE SUMMARY

Status: Completed - Case Closed Facility Id: 900120243 Status: Case Closed Global Id: T0603700519 Global Id: T0603700520 Global ID: T0603700519				
MOBIL #18-HDH	520 ALAMEDA ST N	SSW 0 - 1/8 (0.116 mi.)	P78	78
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 900120243A Status: Pollution Characterization Global ID: T0603700520				
PBR REALTY LLC	531 COMMERCIAL ST	SE 1/8 - 1/4 (0.223 mi.)	Y136	155
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 900120270 Status: Post remedial action monitoring Global ID: T0603700523				
VETERANS AFFAIRS OUT	351 TEMPLE ST E	S 1/8 - 1/4 (0.239 mi.)	148	170
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120261 Status: Case Closed Global Id: T0603700522 Global ID: T0603700522				
PIPER TECHNICAL CENT	555 RAMIREZ ST	ESE 1/4 - 1/2 (0.329 mi.)	AN179	243
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 900120398 Status: Leak being confirmed Global ID: T0603700534				
SO CAL GAS/ALISO B M	555 RAMIREZ STREET	ESE 1/4 - 1/2 (0.329 mi.)	AN181	245
Database: LUST, Date of Government Version: 12/12/2016 Status: Open - Site Assessment Global Id: T0603700534				
MANGROVE ESTATE, B.V	617 001ST ST E	S 1/4 - 1/2 (0.385 mi.)	198	293
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120225 Status: Case Closed Global Id: T0603700517 Global ID: T0603700517				
UNION BANK OF CALIFO	120 SAN PEDRO STREET	SSW 1/4 - 1/2 (0.390 mi.)	AS201	305
Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Global Id: T0603733281				
FRIEDMAN BAG CO INC	801 E COMMERCIAL ST	SE 1/4 - 1/2 (0.397 mi.)	206	317
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 900120407 Status: Case Closed Global Id: T0603700535				

EXECUTIVE SUMMARY

Facility Status: No further action required				
ALISO MANUFACTURING	600 EAST CEASAR CHAV	E 1/4 - 1/2 (0.330 mi.)	AO182	252
Database: SLIC, Date of Government Version: 12/12/2016				
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Open - Inactive				
Facility Status: Site Assessment				
Global Id: SLT4L9651903				
REGIONAL REBUILD CEN	900 LYON ST	E 1/4 - 1/2 (0.335 mi.)	AO184	255
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Open - Site Assessment				
Global Id: T0603799304				
INTERNATIONAL BANK P	943 N. MAIN ST	NNE 1/4 - 1/2 (0.338 mi.)	AP186	267
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Completed - Case Closed				
Global Id: SLT43653651				
INTERNATIONAL BANK P	943 MAIN	NNE 1/4 - 1/2 (0.338 mi.)	AP187	267
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: No further action required				
UNION PACIFIC RAILRO	1245 NORTH SPRING ST	N 1/4 - 1/2 (0.387 mi.)	AQ199	295
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Open - Verification Monitoring				
Global Id: SL2047T1683				
UNION PACIFIC RAILRO	1245 SPRING	N 1/4 - 1/2 (0.392 mi.)	AQ204	310
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Site Assessment				
WITCO/ALLIED KELITE	1250 NORTH MAIN STRE	NE 1/4 - 1/2 (0.471 mi.)	AY222	392
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
BLUELINE PARCEL PA-0	924 SPRING	NNE 1/4 - 1/2 (0.490 mi.)	BA226	402
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: No further action required				
BLUE LINE PARCEL PA-	924 N SPRING ST	NNE 1/4 - 1/2 (0.490 mi.)	BA227	402
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Completed - Case Closed				
Global Id: SL204BK2355				
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF LOS ANGELES	255 TEMPLE ST	SSW 1/8 - 1/4 (0.134 mi.)	90	88
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Completed - Case Closed				
Global Id: SLT4305856				
CALTRANS - COMMERCIA	501 E. COMMERCIAL ST	SSE 1/8 - 1/4 (0.174 mi.)	T108	114
Database: SLIC, Date of Government Version: 12/12/2016				
Facility Status: Open - Inactive				
Global Id: SLT43720718				
CALTRANS - COMMERCIA	501 COMMERCIAL	SSE 1/8 - 1/4 (0.174 mi.)	T109	115
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Site Assessment				
PBR REALTY LLC	531 COMMERCIAL ST	SE 1/8 - 1/4 (0.223 mi.)	Y136	155
Database: SLIC, Date of Government Version: 12/12/2016				

EXECUTIVE SUMMARY

Facility Status: Open - Inactive
Global Id: T0603700523

UNOCAL CORP **501 CENTER ST** **SE 1/4 - 1/2 (0.378 mi.)** **AT196** **289**
Database: SLIC, Date of Government Version: 12/12/2016
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: Open - Inactive
Global Id: SL376402463

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 14 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #9-8 Database: UST, Date of Government Version: 09/12/2016 Facility Id: 23803	901 N ALAMEDA ST	N 0 - 1/8 (0.036 mi.)	E38	41
METROPOLITAN WATER D Database: UST, Date of Government Version: 09/12/2016 Facility Id: 25526	700 N ALAMEDA STREET	SSE 0 - 1/8 (0.051 mi.)	49	45
US FEDERAL COURTHOUS Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24015	312 N SPRING ST	WSW 0 - 1/8 (0.089 mi.)	J59	53
FIRST CENTRAL BANK Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24437	686 N SPRING ST	N 0 - 1/8 (0.122 mi.)	L88	87
CENTRAL HEATING PLAN Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24353	301 N BROADWAY	W 1/8 - 1/4 (0.145 mi.)	O98	101
HALL OF RECORDS/ISD Database: UST, Date of Government Version: 09/12/2016 Facility Id: 25484	320 W TEMPLE ST	W 1/8 - 1/4 (0.200 mi.)	W117	126
LOS ANGELES CITY HAL Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24334	200 N SPRING ST	SW 1/8 - 1/4 (0.213 mi.)	AA127	140
LOS ANGELES CITY HAL Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24333	200 N MAIN ST	SW 1/8 - 1/4 (0.213 mi.)	AA128	144
LA COUNTY PARKING SE Database: UST, Date of Government Version: 09/12/2016 Facility Id: 25492	1055 N ALAMEDA ST	N 1/8 - 1/4 (0.218 mi.)	V134	153
AUTO PARK 10 Database: UST, Date of Government Version: 09/12/2016 Facility Id: 24326	145 N BROADWAY	WSW 1/8 - 1/4 (0.229 mi.)	AC139	158
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
METROPOLITAN DETENTI Database: UST, Date of Government Version: 09/12/2016	535 N ALAMEDA ST	SSW 0 - 1/8 (0.081 mi.)	F54	50

EXECUTIVE SUMMARY

Facility Id: 25504				
MOBIL SERVICE STATIO	520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P82	82
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 25487				
CENTRAL DISTRICT HQ	410 DUCOMMUN ST	S 1/8 - 1/4 (0.137 mi.)	N96	96
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 24066				
LA DEPT OF WATER AND	433 E TEMPLE ST	SSE 1/8 - 1/4 (0.244 mi.)	AE151	173
Database: UST, Date of Government Version: 09/12/2016				
Facility Id: 24389				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 8 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WILLIAM E WARNE POWE	1.5 MI S/O I5/SMOKY	WNW 0 - 1/8 (0.087 mi.)	I55	50
CITY OF AVALON WAREH	1 FALLS CANYON RD	WNW 0 - 1/8 (0.087 mi.)	I56	51
VERIZON GLOBAL NETWO	900 N ALAMEDA AVE	NE 0 - 1/8 (0.094 mi.)	K65	60
CORESITE	900 N ALAMEDA ST	NE 0 - 1/8 (0.094 mi.)	K66	61
LA COUNTY - CNTL HTG	301 N BROADWAY	W 1/8 - 1/4 (0.145 mi.)	O99	101
LA COUNTY CRIMINAL C	210 W TEMPLE ST	WSW 1/8 - 1/4 (0.152 mi.)	R103	111
HALL OF RECORDS/ LA	320 W TEMPLE ST	W 1/8 - 1/4 (0.200 mi.)	W118	126
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VA TEMPLE AMBULATORY	351 E TEMPLE ST	SSW 1/8 - 1/4 (0.187 mi.)	U111	116

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/31/2016 has revealed that there are 20 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/ALISO MGP	KELLER ST., VIGNES S	SE 1/8 - 1/4 (0.210 mi.)	Y125	134
Status: Active				
Facility Id: 19490240				
CORNFIELD SITE	1245 N. SPRING STREE	N 1/4 - 1/2 (0.387 mi.)	AQ200	298
Status: Active				
Facility Id: 19400013				
SO CAL GAS/ALISO D M	CESAR CHAVEZ AND LYO	E 1/4 - 1/2 (0.395 mi.)	AU205	310
Status: Active				
Facility Id: 19490243				
BLOSSOM PLAZA MIXED	900 NORTH BROADWAY S	N 1/4 - 1/2 (0.415 mi.)	212	348

EXECUTIVE SUMMARY

Status: Certified
Facility Id: 60001902

SO CAL GAS/ALISO E M Status: Active Facility Id: 70000159	SECTOR E EXTENDS FRO	ENE 1/4 - 1/2 (0.416 mi.)	AV213	360
ALISO STREET INVESTI Status: Active Facility Id: 60001142	BAUCHET STREET, TEMP	E 1/4 - 1/2 (0.434 mi.)	AU215	367
WITCO/ALLIED KELITE Status: No Further Action Facility Id: 19281211	1250 NORTH MAIN STRE	NE 1/4 - 1/2 (0.471 mi.)	AY222	392
BAUCHET ST SITE Status: Active Facility Id: 19490241	490 BAUCHET ST	ENE 1/4 - 1/2 (0.481 mi.)	AZ223	395

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALISO SECTOR A DENNY Status: Certified / Operation & Maintenance Facility Id: 60001379	530 RAMIREZ STREET	ESE 1/4 - 1/2 (0.303 mi.)	AI167	202
SO CAL GAS/ALISO MGP Status: Active Facility Id: 19490235	KELLER ST, VIGNES ST	ESE 1/4 - 1/2 (0.306 mi.)	AI168	204
SO CAL GAS/ALISO SIT Status: Active Facility Id: 19490248	TEMPLE/VIGNES/LYON/K	ESE 1/4 - 1/2 (0.306 mi.)	AI169	209
SO CAL GAS/ALISO SEC Status: Active Facility Id: 60000173	NORTHWEST CORNER OF	SE 1/4 - 1/2 (0.314 mi.)	AK171	217
RAMIREZ STREET INVES Status: Active Facility Id: 60001993	APPROXIMATELY 400-FO	ESE 1/4 - 1/2 (0.327 mi.)	AN178	240
SO CAL GAS/ALISO B M Status: Active Facility Id: 19490244	555 RAMIREZ STREET	ESE 1/4 - 1/2 (0.329 mi.)	AN181	245
SO CAL GAS/ALISO SEC Status: Certified O&M - Land Use Restrictions Only Facility Id: 19490242	728 E. COMMERCIAL ST	SE 1/4 - 1/2 (0.346 mi.)	AK189	271
SO CAL GAS/ALISO SEC Status: Active Facility Id: 60000169	SOUTHWEST CORNER OF	SE 1/4 - 1/2 (0.371 mi.)	AR195	286
MANLEY OIL COMPANY Status: Certified O&M - Land Use Restrictions Only Facility Id: 60000170	410 CENTER ST	SE 1/4 - 1/2 (0.407 mi.)	AR208	325
SO CAL GAS/ALISO SEC Status: Active Facility Id: 60000171	NORTHEAST CORNER OF	SE 1/4 - 1/2 (0.411 mi.)	AT211	344
SO CAL GAS/ALISO SEC Status: Active Facility Id: 60000172	SOUTHEAST AND SOUTHW	SE 1/4 - 1/2 (0.438 mi.)	AW216	370
ALISO SECTOR C BLOCK	820 EAST JACKSON STR	SE 1/4 - 1/2 (0.449 mi.)	AW217	373

EXECUTIVE SUMMARY

Status: Active
Facility Id: 60001890

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/02/2017 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>BANDINI CANYON POCKE ADELANTE EASTSIDE</i>	<i>O'FARRELL AND BANDIN 100 BROADWAY S</i>	<i>SW 1/4 - 1/2 (0.295 mi.) WSW 1/4 - 1/2 (0.314 mi.)</i>	<i>AJ166 172</i>	<i>199 220</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALAMEDA STREET WIDEN	201 N ALAMEDA ST 907	S 1/4 - 1/2 (0.325 mi.)	AL177	237

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOS ANGELES CITY-TUJ	500' E TUJUNGA, 500'	W 1/4 - 1/2 (0.274 mi.)	AG160	192

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LOS ANGELES RECYCLIN</i> Cert Id: RC188182.001	<i>1000 N MAIN ST</i>	<i>NNE 1/4 - 1/2 (0.369 mi.)</i>	<i>AM194</i>	<i>282</i>

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WILLIAM MEAD HOMES	1300 CARDINAL STREET	NE 1/4 - 1/2 (0.498 mi.)	AY231	410
US MARINE CORPS RESE	1700 STADIUM WAY	NNW 1/2 - 1 (0.792 mi.)	BD258	526

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 24 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
L A UNION PASSENGER Comp Number: 7170	726 N ALAMEDA ST	0 - 1/8 (0.000 mi.)	B26	36
JOE BEZERRA CHEVRON Status: A Tank Status: A Comp Number: 5489	901 N ALAMEDA ST	N 0 - 1/8 (0.036 mi.)	E39	41
ARCO SERVICE STATION Comp Number: 4634	701 N MAIN ST	NNW 0 - 1/8 (0.052 mi.)	E51	46
GENERAL SERVICES ADM Status: A Tank Status: A Comp Number: 2483	312 N SPRING ST	WSW 0 - 1/8 (0.089 mi.)	J58	52
U S POST OFFICE Comp Number: 7700	900 N ALAMEDA ST	NE 0 - 1/8 (0.094 mi.)	K62	56
GIBBS REALTY Comp Number: 6714	739 N MAIN ST	N 0 - 1/8 (0.095 mi.)	L67	62
HALL OF RECORDS/LACO Status: A Tank Status: A Comp Number: 5899	320 N BROADWAY	W 0 - 1/8 (0.109 mi.)	O73	68
US GOVT, FED BLDG GS Comp Number: 3763	300 N LOS ANGELES ST	SW 1/8 - 1/4 (0.136 mi.)	S92	90
LA CO., INTERNAL SER Status: A Comp Number: 5903	301 N BROADWAY	W 1/8 - 1/4 (0.145 mi.)	O101	102
CATHAY MANOR	600 N BROADWAY	NW 1/8 - 1/4 (0.161 mi.)	Q104	111

EXECUTIVE SUMMARY

Comp Number: 6459				
COUNTY OF L.A.	210 W TEMPLE ST	WSW 1/8 - 1/4 (0.167 mi.)	R106	113
Status: A				
Tank Status: A				
Comp Number: 1457				
UNITED STATES POST O	760 N MAIN ST	NE 1/8 - 1/4 (0.205 mi.)	120	128
Comp Number: 4399				
LOS ANGELES FIRE STA	800 N MAIN ST	NNE 1/8 - 1/4 (0.208 mi.)	X122	130
Status: A				
Tank Status: A				
Comp Number: 2637				
IT CORP	400 W TEMPLE ST	W 1/8 - 1/4 (0.211 mi.)	Z126	140
Comp Number: 7205				
LOS ANGELES CITY HAL	200 N SPRING ST	SW 1/8 - 1/4 (0.213 mi.)	AA127	140
Status: A				
Tank Status: A				
Comp Number: 2455				
LOS ANGELES CITY HAL	200 N MAIN ST	SW 1/8 - 1/4 (0.213 mi.)	AA129	144
Status: A				
Tank Status: A				
Comp Number: 2457				
ALAMEDA STREET GARAG	1055 N ALAMEDA ST	N 1/8 - 1/4 (0.218 mi.)	V133	151
Status: A				
Tank Status: A				
Comp Number: 1466				
PHASE II MALL ARCHIV	145 N BROADWAY	WSW 1/8 - 1/4 (0.229 mi.)	AC138	157
Status: A				
Tank Status: A				
Comp Number: 1456				
MAHMOUD M KOBAISSI	530 MACY ST	E 1/8 - 1/4 (0.230 mi.)	140	159
Comp Number: 500				
Lower Elevation	Address	Direction / Distance	Map ID	Page
ALAMEDA MOBIL SERVIC	520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P77	75
Status: A				
Tank Status: A				
Comp Number: 2336				
CENTRAL DISTRICT HQ	410 E DUCOMMUN ST	S 1/8 - 1/4 (0.137 mi.)	N95	95
Status: A				
Comp Number: 6104				
VETERANS ADMINISTRAT	461 N ALAMEDA ST	SSW 1/8 - 1/4 (0.148 mi.)	P102	110
Comp Number: 7364				
S/P CO	501 COMMERCIAL ST	SSE 1/8 - 1/4 (0.174 mi.)	T107	114
Comp Number: 5849				
DEPARTMENT OF WATER	433 TEMPLE ST	SSE 1/8 - 1/4 (0.244 mi.)	AE152	173
Status: A				
Tank Status: A				
Comp Number: 6586				

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 18 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOE BEZERRA CHEVRON Facility Id: 00000063148	901 N ALAMEDA ST	N 0 - 1/8 (0.036 mi.)	E39	41
US COURTHOUSE Facility Id: 00000047139	312 N SPRING ST	WSW 0 - 1/8 (0.089 mi.)	J57	51
TERMINAL ANNEX Facility Id: 00000041175	900 N ALAMEDA	NE 0 - 1/8 (0.094 mi.)	K61	54
FEDERAL BUILDING Facility Id: 00000063395 Facility Id: 00000065713	300 N LOS ANGELES ST	SW 1/8 - 1/4 (0.136 mi.)	S93	92
1X FEDERAL BUILDING CRIMINAL COURTS BLDG Facility Id: 00000020714	300 N LOS ANGELES ST 210 W TEMPLE ST	SW 1/8 - 1/4 (0.136 mi.) WSW 1/8 - 1/4 (0.167 mi.)	S94 R105	93 112
HALL OF RECORD Facility Id: 00000020718	320 W TEMPLE ST	W 1/8 - 1/4 (0.200 mi.)	W116	126
DISTRIBUTING STATION Facility Id: 00000064819	330 NORTH HILL ST	W 1/8 - 1/4 (0.204 mi.)	W119	127
FIRE STATION 4 Facility Id: 00000047468	800 N MAIN ST	NNE 1/8 - 1/4 (0.208 mi.)	X123	131
LOS ANGELES CITY HAL Facility Id: 00000047104	200 N SPRING ST	SW 1/8 - 1/4 (0.213 mi.)	AA127	140
PHASE II MALL ARCHIV Facility Id: 00000020713	145 N BROADWAY	WSW 1/8 - 1/4 (0.229 mi.)	AC137	157
CITY HALL EAST Facility Id: 00000047106	200 N. MAIN STREET	SW 1/8 - 1/4 (0.248 mi.)	AF154	181
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RICHARD KAKU RICHARD KAKU Facility Id: 00000039757	520 N ALAMEDA AVE 520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.) SSW 0 - 1/8 (0.116 mi.)	P76 P80	74 80
RICHARDS FRIENDLY SE Facility Id: 00000041708	520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P83	82
CENTRAL DISTRICT HQ CENTRAL DISTRICT HQ Facility Id: 00000064804	410 E DUCOMMUN ST 410 DUCOMMUN ST	S 1/8 - 1/4 (0.137 mi.) S 1/8 - 1/4 (0.137 mi.)	N95 N96	95 96
PROPERTY Facility Id: 00000005491	510 E COMMERCIAL ST	SSE 1/8 - 1/4 (0.185 mi.)	T110	116

EXECUTIVE SUMMARY

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 25 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
L A UNION PASSENGER Facility Id: 19056450 Status: A	726 N ALAMEDA ST	0 - 1/8 (0.000 mi.)	B26	36
ARCO SERVICE STATION Facility Id: 19007215 Status: I	701 N MAIN ST	NNW 0 - 1/8 (0.052 mi.)	E51	46
GENERAL SERVICES ADM Facility Id: 19018396 Status: A	312 N SPRING ST	WSW 0 - 1/8 (0.089 mi.)	J58	52
U S POST OFFICE Facility Id: 19004917 Status: I	900 N ALAMEDA ST	NE 0 - 1/8 (0.094 mi.)	K62	56
GIBBS REALTY Facility Id: 19056319 Status: A	739 N MAIN ST	N 0 - 1/8 (0.095 mi.)	L67	62
JOHN PETTIT Facility Id: 19054699 Status: I	1028 N ALAMEDA ST	N 0 - 1/8 (0.101 mi.)	L68	62
HALL OF RECORDS/LACO Facility Id: 19056147 Status: A	320 N BROADWAY	W 0 - 1/8 (0.109 mi.)	O73	68
US GOVT, FED BLDG GS Facility Id: 19004898 Status: I	300 N LOS ANGELES ST	SW 1/8 - 1/4 (0.136 mi.)	S92	90
LA CO., INTERNAL SER Facility Id: 19006677 Status: A	301 N BROADWAY	W 1/8 - 1/4 (0.145 mi.)	O101	102
CATHAY MANOR Facility Id: 19016997 Status: A	600 N BROADWAY	NW 1/8 - 1/4 (0.161 mi.)	Q104	111
COUNTY OF L.A. Facility Id: 19018457 Status: A	210 W TEMPLE ST	WSW 1/8 - 1/4 (0.167 mi.)	R106	113
LA CO REGIONAL PLANN Facility Id: 19047629 Status: A	320 W TEMPLE ST	W 1/8 - 1/4 (0.200 mi.)	W115	125
UNITED STATES POST O Facility Id: 19021639 Status: A	760 N MAIN ST	NE 1/8 - 1/4 (0.205 mi.)	120	128
LOS ANGELES FIRE STA Facility Id: 19011130 Status: A	800 N MAIN ST	NNE 1/8 - 1/4 (0.208 mi.)	X122	130
IT CORP	400 W TEMPLE ST	W 1/8 - 1/4 (0.211 mi.)	Z126	140

EXECUTIVE SUMMARY

Facility Id: 19056456

Status: A

LOS ANGELES CITY HAL	200 N SPRING ST	SW 1/8 - 1/4 (0.213 mi.)	AA127	140
Facility Id: 19018780				
Facility Id: 19022020				
Status: A				
ALAMEDA STREET GARAG	1055 N ALAMEDA ST	N 1/8 - 1/4 (0.218 mi.)	V133	151
Facility Id: 19030315				
Status: A				
PHASE II MALL ARCHIV	145 N BROADWAY	WSW 1/8 - 1/4 (0.229 mi.)	AC138	157
Facility Id: 19055401				
Status: A				
MAHMOUD M KOBAISSI	530 MACY ST	E 1/8 - 1/4 (0.230 mi.)	140	159
Facility Id: 19054179				
Status: I				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALAMEDA MOBIL SERVIC	520 N ALAMEDA ST	SSW 0 - 1/8 (0.116 mi.)	P77	75
Facility Id: 19001184				
Status: A				
DEPT OF TRANSPORTATI	430 COMMERCIAL ST	S 0 - 1/8 (0.121 mi.)	N85	86
Facility Id: 19056053				
Status: A				
CENTRAL DISTRICT HQ	410 E DUCOMMUN ST	S 1/8 - 1/4 (0.137 mi.)	N95	95
Facility Id: 19028047				
Status: A				
VETERANS ADMINISTRAT	461 N ALAMEDA ST	SSW 1/8 - 1/4 (0.148 mi.)	P102	110
Facility Id: 19054606				
Status: I				
S/P CO	501 COMMERCIAL ST	SSE 1/8 - 1/4 (0.174 mi.)	T107	114
Facility Id: 19003826				
Status: A				
DEPARTMENT OF WATER	433 E TEMPLE ST	SSE 1/8 - 1/4 (0.244 mi.)	AE150	173
Facility Id: 19010483				
Status: A				

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 12/06/2016 has revealed that there are 7 DEED sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/ALISO E M	SECTOR E EXTENDS FRO	ENE 1/4 - 1/2 (0.416 mi.)	AV213	360
Status: ACTIVE				

EXECUTIVE SUMMARY

Envirostor ID: 70000159

BAUCHET ST SITE	490 BAUCHET ST	ENE 1/4 - 1/2 (0.481 mi.)	AZ223	395
Status: ACTIVE				
Envirostor ID: 19490241				

WILLIAM MEAD HOMES	1300 CARDINAL STREET	NE 1/4 - 1/2 (0.498 mi.)	AY231	410
Status: ACTIVE				
Envirostor ID: 19290312				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALISO SECTOR A DENNY	530 RAMIREZ STREET	ESE 1/4 - 1/2 (0.303 mi.)	AI167	202
Status: CERTIFIED / OPERATION & MAINTENANCE				
Envirostor ID: 60001379				
SO CAL GAS/ALISO SEC	728 E. COMMERCIAL ST	SE 1/4 - 1/2 (0.346 mi.)	AK189	271
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY				
Envirostor ID: 19490242				
MANLEY OIL COMPANY	410 CENTER ST	SE 1/4 - 1/2 (0.407 mi.)	AR208	325
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY				
Envirostor ID: 60000170				
SO CAL GAS/ALISO SEC	NORTHEAST CORNER OF	SE 1/4 - 1/2 (0.411 mi.)	AT211	344
Status: ACTIVE				
Envirostor ID: 60000171				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USPS	900 N ALAMEDA ST	NE 0 - 1/8 (0.094 mi.)	K63	56
LOS ANGELES COUNTY H	211 W TEMPLE	W 1/8 - 1/4 (0.129 mi.)	R89	87

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/28/2016 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAIWEE RESERVOIR COM	111 N HOPE ST RM A18	W 1/4 - 1/2 (0.451 mi.)	218	375
WILLIAM MEAD HOMES	1300 CARDINAL STREET	NE 1/4 - 1/2 (0.498 mi.)	AY231	410
Envirostor Id: 19290312				

EXECUTIVE SUMMARY

Cleanup Status: ACTIVE - LAND USE RESTRICTIONS

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 22 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FACILITY 10723-2 Reg Id: 3058	301 BROADWAY	W 1/8 - 1/4 (0.145 mi.)	O100	102
LA CO PARKING GARAGE Reg Id: 900120161	1035 ALAMEDA ST N	N 1/8 - 1/4 (0.192 mi.)	V114	123
MOGUL CORPORATION Reg Id: 19510059	967 VIGNES	ENE 1/8 - 1/4 (0.237 mi.)	AB145	167
76 PRODUCTS STATION Reg Id: 911060025	200 HILL	W 1/4 - 1/2 (0.261 mi.)	AG159	192
LA CO HALL OF ADMINI Reg Id: 900120389	500 TEMPLE ST W	W 1/4 - 1/2 (0.274 mi.)	AG161	193
FANSTEEL CA DROP FOR Reg Id: 3181	1033 ALHAMBRA AVE	NNE 1/4 - 1/2 (0.322 mi.)	AM176	225
MOBIL #11-HPB (FORME Reg Id: 900120189	706 SUNSET BLVD W	NW 1/4 - 1/2 (0.335 mi.)	183	252
ELIAS Y ZAWAHERI Reg Id: 900120089	766 N HILL ST	NNW 1/4 - 1/2 (0.343 mi.)	188	268
TIMES MIRROR CORPORA Reg Id: 900120061	145 SPRING ST S	WSW 1/4 - 1/2 (0.358 mi.)	192	280
VACANT Reg Id: 900120425	1245 SPRING	N 1/4 - 1/2 (0.392 mi.)	AQ203	309
LA COUNTY CENTRAL JA Reg Id: 900120298	441 BAUCHET	ENE 1/4 - 1/2 (0.407 mi.)	AV209	333
JIMMIE JOE'S TEXACO Reg Id: 900120343	900 HILL	N 1/4 - 1/2 (0.461 mi.)	AX220	385
MENDOZA SERVICE, INC Reg Id: 900120307	866 CESAR CHAVEZ ST	E 1/4 - 1/2 (0.470 mi.)	221	390
TIMES MIRROR Reg Id: 900120107	240 HILL ST S	WSW 1/4 - 1/2 (0.495 mi.)	230	408
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL #18-HDH Reg Id: 900120243 Reg Id: 900120243A	520 ALAMEDA ST N	SSW 0 - 1/8 (0.116 mi.)	P75	69
CALTRANS - COMMERCIA Reg Id: 900120270	501 COMMERCIAL	SSE 1/8 - 1/4 (0.174 mi.)	T109	115
VETERANS AFFAIRS OUT	351 TEMPLE ST E	S 1/8 - 1/4 (0.239 mi.)	148	170

EXECUTIVE SUMMARY

Reg Id: 900120261				
SO CAL GAS/ALISO B M	555 RAMIREZ STREET	ESE 1/4 - 1/2 (0.329 mi.)	AN181	245
Reg Id: 900120398				
PARKER CENTER	151 SAN PEDRO	SSW 1/4 - 1/2 (0.359 mi.)	AS193	282
Reg Id: 900120352				
MANGROVE ESTATE, B.V	617 001ST ST E	S 1/4 - 1/2 (0.385 mi.)	198	293
Reg Id: 900120225				
FRIEDMAN BAG CO INC	801 E COMMERCIAL ST	SE 1/4 - 1/2 (0.397 mi.)	206	317
Reg Id: 900120407				
LOS ANGELES TIMES	214 002ND ST E	SW 1/4 - 1/2 (0.417 mi.)	214	365
Reg Id: 900120252				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/21/2016 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAIN STREET CENTER	1630 NORTH MAIN STRE	NE 1/2 - 1 (0.812 mi.)	BE262	551
EPA Id: CAD000633305				
Cleanup Status: UNDERGOING CLOSURE				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 6 EDR MGP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/ALISO D M	CESAR CHAVEZ AND LYO	E 1/4 - 1/2 (0.380 mi.)	197	293
SO CAL GAS/ALISO E	490 BAUCHET STREET A	ENE 1/4 - 1/2 (0.481 mi.)	AZ224	400
SO CAL GAS/ LA MAIN	1630 NORTH MAIN STRE	NE 1/2 - 1 (0.812 mi.)	BE264	610
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/ALISO A M	KELLER ST., VIGNES S	ESE 1/4 - 1/2 (0.279 mi.)	AI165	199
SO CAL GAS/ALISO B M	555 RAMIREZ STREET	ESE 1/4 - 1/2 (0.329 mi.)	AN180	244
SO CAL GAS/ALISO C M	CENTER ST @ COMMERC	SE 1/4 - 1/2 (0.356 mi.)	AR191	279

EXECUTIVE SUMMARY

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 18 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LEE HONG Database: EDR Hist Auto, Date of Government Version: 02/20/2007	714 N ALAMEDA ST	0 - 1/8 (0.000 mi.)	B23	35
KETCHAM J L Database: EDR Hist Auto, Date of Government Version: 02/20/2007	431 N MAIN	WSW 0 - 1/8 (0.002 mi.)	C31	38
UNG HENRY Database: EDR Hist Auto, Date of Government Version: 02/20/2007	426 N LOS ANGELES ST	WSW 0 - 1/8 (0.002 mi.)	D32	38
Not reported	880 N ALAMEDA ST	N 0 - 1/8 (0.003 mi.)	33	38
JEFFRIES G W Database: EDR Hist Auto, Date of Government Version: 02/20/2007	853 N ALAMEDA ST	N 0 - 1/8 (0.026 mi.)	E34	38
KATZ BARNEY Database: EDR Hist Auto, Date of Government Version: 02/20/2007	410 N LOS ANGELES ST	SW 0 - 1/8 (0.030 mi.)	D35	39
KENNEDY K S Database: EDR Hist Auto, Date of Government Version: 02/20/2007	323 ALISO ST	WSW 0 - 1/8 (0.031 mi.)	C36	39
HAWK II ENVIRONMENTA Database: EDR Hist Auto, Date of Government Version: 02/20/2007	901 N ALAMEDA ST	N 0 - 1/8 (0.036 mi.)	E40	43
ENCINAS FRANK Database: EDR Hist Auto, Date of Government Version: 02/20/2007	651 N MAINE AVE	NNW 0 - 1/8 (0.049 mi.)	H47	45
WEST COAST AUTO PART Database: EDR Hist Auto, Date of Government Version: 02/20/2007	649 N MAINE AVE	NNW 0 - 1/8 (0.049 mi.)	H48	45
RIVERA T M Database: EDR Hist Auto, Date of Government Version: 02/20/2007	610 N MAINE AVE	WNW 0 - 1/8 (0.052 mi.)	G50	46
Not reported	300 N MAIN ST	WSW 0 - 1/8 (0.092 mi.)	J60	53
STEVERS WM Database: EDR Hist Auto, Date of Government Version: 02/20/2007	606 NEW HIGH ST	NW 0 - 1/8 (0.122 mi.)	Q86	86
BELLEVUE AUTO SERVI Database: EDR Hist Auto, Date of Government Version: 02/20/2007	600 NEW HIGH ST	NW 0 - 1/8 (0.122 mi.)	Q87	86
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC COAST SERVIC Database: EDR Hist Auto, Date of Government Version: 02/20/2007	701 N ALAMEDA ST	0 - 1/8 (0.000 mi.)	B27	37
B M SERVICE Database: EDR Hist Auto, Date of Government Version: 02/20/2007	620 N ALAMEDA ST	SSW 0 - 1/8 (0.039 mi.)	F41	44
RASMUSSEN A M Database: EDR Hist Auto, Date of Government Version: 02/20/2007	418 ALISO ST	S 0 - 1/8 (0.107 mi.)	N72	68
KAKU RICHARD T Database: EDR Hist Auto, Date of Government Version: 02/20/2007	520 N ALAMEDA	SSW 0 - 1/8 (0.116 mi.)	P79	79

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 11 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

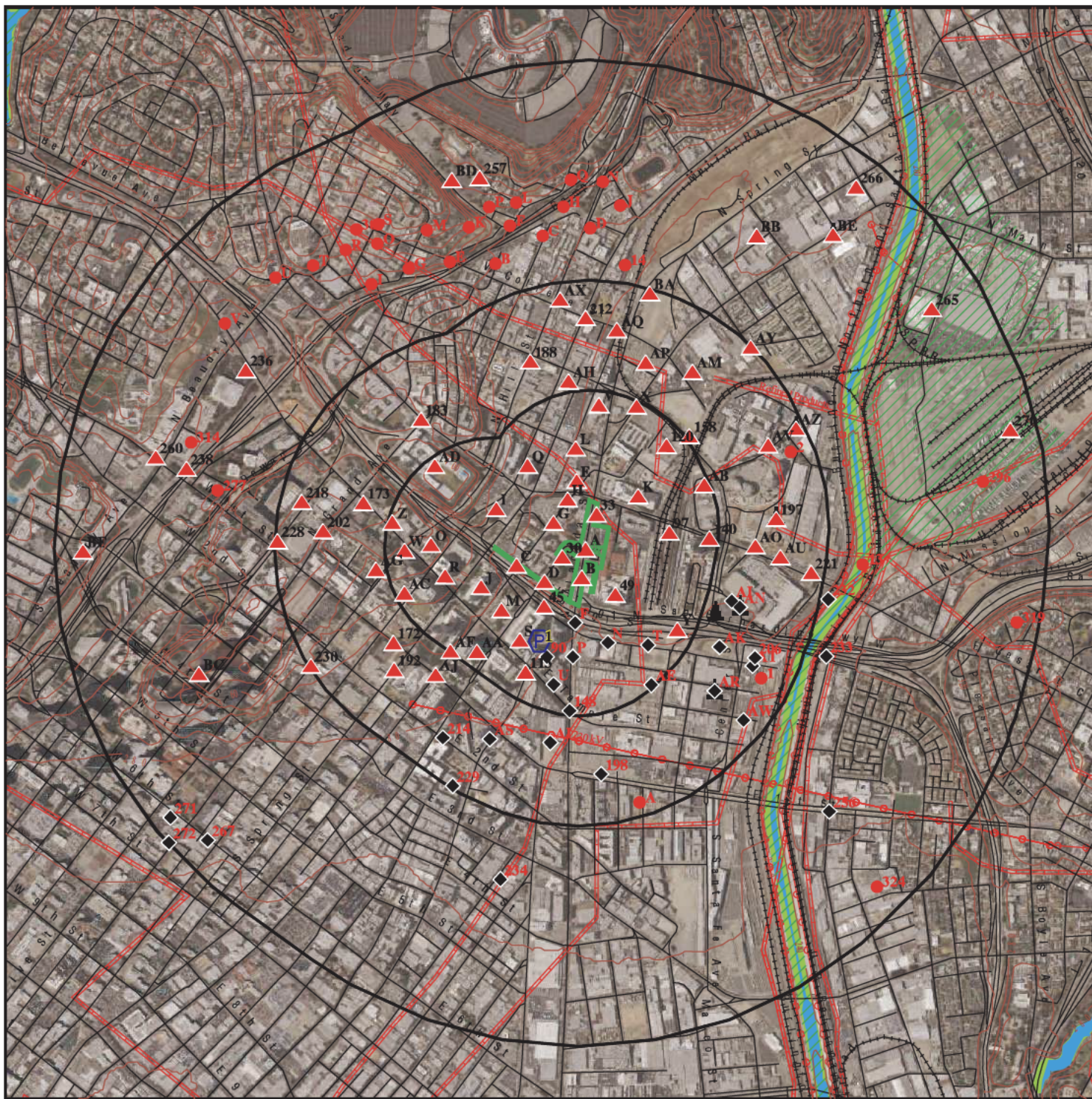
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MUN SAM Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	719 N ALAMEDA ST	0 - 1/8 (0.000 mi.)	B24	35
ROMERO JUVENTINO Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	105 ARCADIA WY	0 - 1/8 (0.000 mi.)	C28	37
VELASCO FLORENZO Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	107 ARCADIA WY	0 - 1/8 (0.001 mi.)	C29	37
MUN SAM Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	518 N LOS ANGELES ST	0 - 1/8 (0.001 mi.)	30	37
GEE LUNG CO Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	209 ALISO ST	SW 0 - 1/8 (0.039 mi.)	D42	44
LEE SAM Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	213 ALISO ST	SW 0 - 1/8 (0.040 mi.)	D43	44
YICK SAM Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	217 ALISO ST	SW 0 - 1/8 (0.041 mi.)	D44	44
HOP YUN Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	219 ALISO ST	SW 0 - 1/8 (0.041 mi.)	45	45
TERRAZAS MANUEL Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	608 N MAINE AVE	WNW 0 - 1/8 (0.047 mi.)	G46	45
Not reported	201 N LOS ANGELES ST	WSW 0 - 1/8 (0.105 mi.)	M69	63
SARKISCON SARKIS Database: EDR Hist Cleaner, Date of Government Version: 02/20/2007	335 N BROADWAY	W 0 - 1/8 (0.110 mi.)	O74	69

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

<u>Site Name</u>	<u>Database(s)</u>
NORTH SPRING STREET VIADUCT WIDENI	NPDES
LOS ANGELES HARBOR DRUM	SEMS-ARCHIVE
ALAMEDA STREET	LA Co. Site Mitigation
ACTA NORTH - PARCEL NE-009-SFGS	SLIC
GRATTS NEW PRIMARY CENTER	ENVIROSTOR, SCH
ALTERNATE CENTRAL LOS ANGELES HS N	ENVIROSTOR, SCH
CENTRAL LOS ANGELES MIDDLE SCHOOL	ENVIROSTOR, SCH

OVERVIEW MAP - 4903788.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

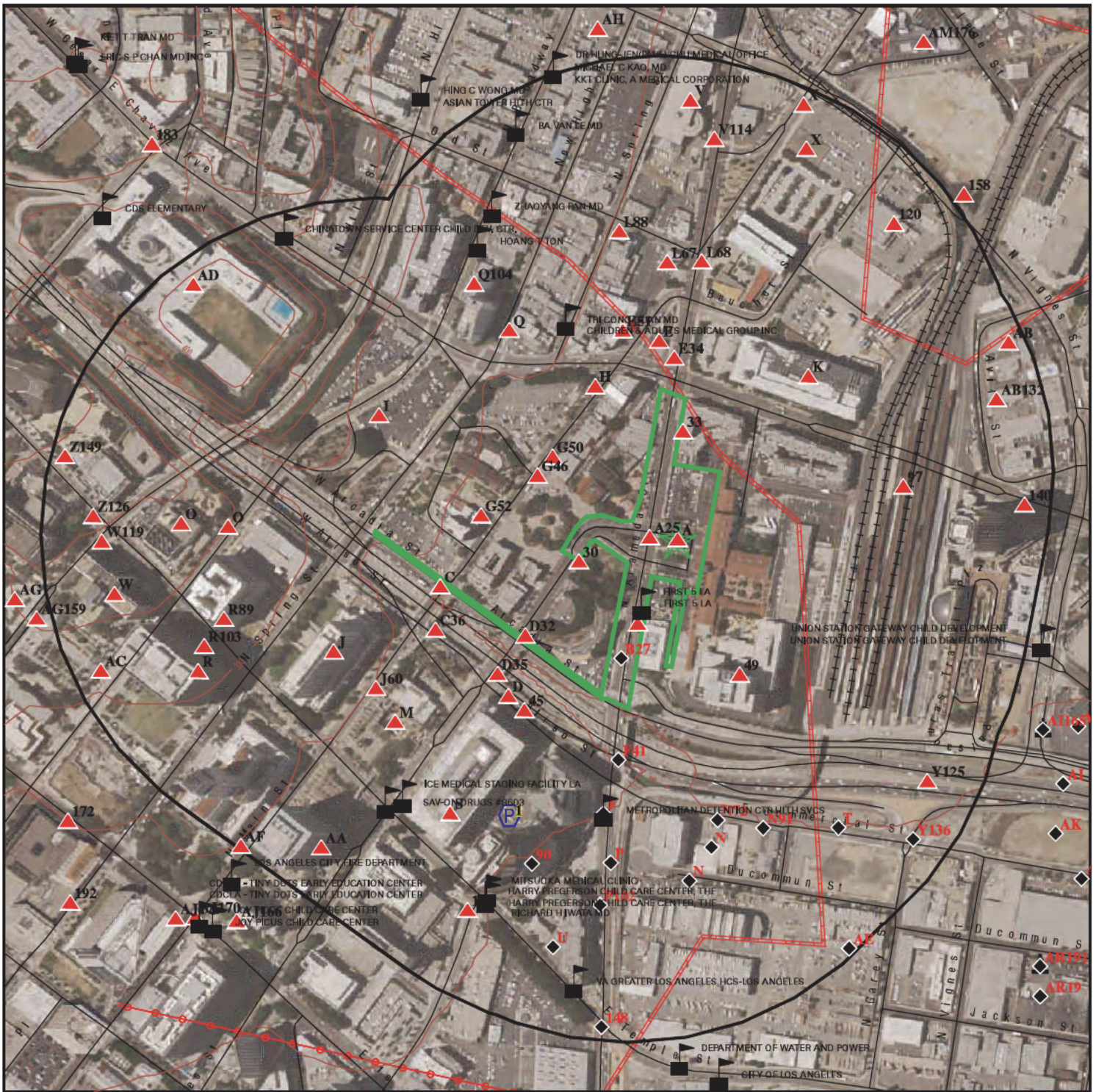


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 800 North Alameda Street
 ADDRESS: 800 North Alameda Street
 Los Angeles CA 90012
 LAT/LONG: 34.056349 / 118.237042

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 4903788.2s
 DATE: April 11, 2017 3:19 pm

DETAIL MAP - 4903788.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Areas of Concern

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 800 North Alameda Street
 ADDRESS: 800 North Alameda Street
 Los Angeles CA 90012
 LAT/LONG: 34.056349 / 118.237042

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 4903788.2s
 DATE: April 11, 2017 3:20 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500	1	0	2	2	NR	NR	5
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250	1	3	7	NR	NR	NR	11
RCRA-SQG	0.250		4	8	NR	NR	NR	12
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP	4	NR	NR	NR	NR	NR	4
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	1	1	NR	2
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	3	21	38	NR	62
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		4	5	24	NR	NR	33

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		1	6	14	NR	NR	21
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		6	8	NR	NR	NR	14
AST	0.250		4	4	NR	NR	NR	8
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	1	19	NR	NR	20
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	3	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	1	1	NR	2
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	8	16	NR	NR	NR	25
HIST UST	0.250	3	6	12	NR	NR	NR	21
CA FID UST	0.250	1	9	16	NR	NR	NR	26
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	7	NR	NR	7

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	4	NR	NR	NR	NR	NR	4
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	1	NR	NR	NR	NR	NR	1
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	6	NR	NR	NR	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	5	16	NR	NR	22
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	3	NR	NR	NR	NR	NR	3
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP	1	NR	NR	NR	NR	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP	1	NR	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	5	1	NR	6
EDR Hist Auto	0.125		18	NR	NR	NR	NR	18
EDR Hist Cleaner	0.125		11	NR	NR	NR	NR	11

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		29	76	94	117	43	0	359

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 METROPOLITAN WATER DIST
Target 800 N ALAMEDA ST
Property LOS ANGELES, CA 90012

HAZNET S112843355
N/A

Site 1 of 23 in cluster A

Actual:
282 ft.

HAZNET:
envid: S112843355
Year: 1996
GEPaid: CAC000760848
Contact: METROPOLITAN WATER DIST
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAD000633164
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 10.3243
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112843355
Year: 1996
GEPaid: CAC000760848
Contact: METROPOLITAN WATER DIST
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAD067786749
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 58.9960
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112843355
Year: 1996
GEPaid: CAC000760848
Contact: METROPOLITAN WATER DIST
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 28.0000
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN WATER DIST (Continued)

S112843355

Facility County: Los Angeles

A2 **LOS ANGELES UNION PASSENGER TE**
Target **800 N ALAMEDA ST**
Property **LOS ANGELES, CA 90012**

HIST UST **U001560551**
N/A

Site 2 of 23 in cluster A

Actual:
282 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000061183
Facility Type: Other
Other Type: PASSENGER RAILROAD
Contact Name: ROBERT L. PFISTER
Telephone: 2136252672
Owner Name: LOS ANGELES UNION PASSENGER TE
Owner Address: 800 NORTH ALAMEDA STREET, ROOM
Owner City,St,Zip: LOS ANGELES, CA 900122986
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1939
Tank Capacity: 00012750
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1939
Tank Capacity: 00012750
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1983
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3 NATIONAL RAILROAD PASSENGER CORP
Target 800 N ALAMEDA ST
Property LOS ANGELES, CA 90012

HAZNET S113110279
N/A

Site 3 of 23 in cluster A

Actual:
282 ft.

HAZNET:

envid: S113110279
Year: 2014
GEPaid: CAL000218970
Contact: WADE SMITH/ENV MGR
Telephone: 2136836721
Mailing Name: Not reported
Mailing Address: 810 N ALAMEDA ST
Mailing City,St,Zip: LOS ANGELES, CA 900122902
Gen County: Los Angeles
TSD EPA ID: AZR000031559
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 58.996
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113110279
Year: 2014
GEPaid: CAL000218970
Contact: WADE SMITH/ENV MGR
Telephone: 2136836721
Mailing Name: Not reported
Mailing Address: 810 N ALAMEDA ST
Mailing City,St,Zip: LOS ANGELES, CA 900122902
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.165
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113110279
Year: 2013
GEPaid: CAL000218970
Contact: WADE SMITH/ENV MGR
Telephone: 2136836721
Mailing Name: Not reported
Mailing Address: 810 N ALAMEDA ST
Mailing City,St,Zip: LOS ANGELES, CA 900122902
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL RAILROAD PASSENGER CORP (Continued)

S113110279

Tons: 0.075
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S113110279
Year: 2005
GEPaid: CAL000218970
Contact: TAMI CALDERON/FIELD ENV SPEC
Telephone: 2138913528
Mailing Name: Not reported
Mailing Address: 800 N ALAMEDA ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.06
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113110279
Year: 2003
GEPaid: CAL000218970
Contact: TAMI CALDERON/FIELD ENV SPEC
Telephone: 2138913528
Mailing Name: Not reported
Mailing Address: 800 N ALAMEDA ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 1.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

A4 **LOS ANGELES UNION STATION**
Target **800 N ALAMEDA ST**
Property **LOS ANGELES, CA 90012**

FINDS **1016898661**
ECHO **N/A**

Site 4 of 23 in cluster A

Actual:
282 ft.

FINDS:

Registry ID: 110060232172

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES UNION STATION (Continued)

1016898661

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1016898661
 Registry ID: 110060232172
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110060232172

**A5
 Target
 Property**

**AMTRAK
 800 N ALAMEDA ST
 LOS ANGELES, CA 90012**

**HAZNET S112908116
 N/A**

Site 5 of 23 in cluster A

**Actual:
 282 ft.**

HAZNET:
 envid: S112908116
 Year: 2000
 GEPAID: CAC002269665
 Contact: LYNN HEDGES/CO ENV SPEC
 Telephone: 2136836990
 Mailing Name: Not reported
 Mailing Address: 2472 E 8TH ST
 Mailing City,St,Zip: LOS ANGELES, CA 900210000
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: Recycler
 Tons: 0.08
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Los Angeles

**A6
 Target
 Property**

**800 NORTH ALAMEDA ST.
 LOS ANGELES, CA**

**ERNS 2011979169
 N/A**

Site 6 of 23 in cluster A

**Actual:
 282 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**A7
 Target
 Property**

**CATELLUS DEVELOPMENT CORP
 800 N ALAMEDA
 LOS ANGELES, CA 90012**

**HAZNET S113067559
 NPDES N/A**

Site 7 of 23 in cluster A

**Actual:
 282 ft.**

HAZNET:
 envid: S113067559
 Year: 1998
 GEPAID: CAL000120248
 Contact: CATELLUS DEVELOPMENT CORPORATI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CATELLUS DEVELOPMENT CORP (Continued)

S113067559

Telephone: 4159744500
Mailing Name: Not reported
Mailing Address: 201 MISSION ST 2ND FL
Mailing City,St,Zip: SAN FRANCISCO, CA 941051831
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .4000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113067559
Year: 1995
GEPAID: CAL000120248
Contact: CATELLUS DEVELOPMENT CORPORATI
Telephone: 4159744500
Mailing Name: Not reported
Mailing Address: 201 MISSION ST 2ND FL
Mailing City,St,Zip: SAN FRANCISCO, CA 941051831
Gen County: Not reported
TSD EPA ID: WAD009477175
TSD County: Not reported
Waste Category: Organic solids with halogens
Disposal Method: Recycler
Tons: .4500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113067559
Year: 1995
GEPAID: CAL000120248
Contact: CATELLUS DEVELOPMENT CORPORATI
Telephone: 4159744500
Mailing Name: Not reported
Mailing Address: 201 MISSION ST 2ND FL
Mailing City,St,Zip: SAN FRANCISCO, CA 941051831
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Organic solids with halogens
Disposal Method: Treatment, Incineration
Tons: .9500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113067559
Year: 1995
GEPAID: CAL000120248
Contact: CATELLUS DEVELOPMENT CORPORATI
Telephone: 4159744500
Mailing Name: Not reported
Mailing Address: 201 MISSION ST 2ND FL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CATELLUS DEVELOPMENT CORP (Continued)

S113067559

Mailing City,St,Zip: SAN FRANCISCO, CA 941051831
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .7585
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113067559
Year: 1994
GEPAID: CAL000120248
Contact: CATELLUS DEVELOPMENT CORPORATI
Telephone: 4159744500
Mailing Name: Not reported
Mailing Address: 201 MISSION ST 2ND FL
Mailing City,St,Zip: SAN FRANCISCO, CA 941051831
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .8428
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

NPDES:

Npdes Number: Not reported
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 462803
Order No: Not reported
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19NEC001477
Program Type: No Exposure Certification
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/06/2015
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: National Railroad Passenger Corp
Discharge Address: 2472 E 8th St
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90021
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CATELLUS DEVELOPMENT CORP (Continued)

S113067559

PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	462803

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CATELLUS DEVELOPMENT CORP (Continued)

S113067559

Order No:	Not reported
Regulatory Measure Type:	No Exposure Certification
Place Id:	Not reported
WDID:	4 19NEC001477
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/15/2015
PROCESSED DATE:	11/6/2015
STATUS CODE NAME:	Active
STATUS DATE:	11/6/2015
PLACE SIZE:	3.44
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Wade Smith
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	213-683-6721
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	smithw2@amtrak.com
OPERATOR NAME:	National Railroad Passenger Corp
OPERATOR ADDRESS:	2472 E 8th St
OPERATOR CITY:	Los Angeles
OPERATOR STATE:	California
OPERATOR ZIP:	90021
OPERATOR CONTACT NAME:	Wade Smith
OPERATOR CONTACT TITLE:	Lead Env. Specialist
OPERATOR CONTACT PHONE:	213-683-6721
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	smithw2@amtrak.com
OPERATOR TYPE:	Government Agency Combination
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	213-219-9648
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CATELLUS DEVELOPMENT CORP (Continued)

S113067559

CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Wade Smith
CERTIFIER TITLE:	Sr. Env. Coordinator
CERTIFICATION DATE:	05-OCT-16
PRIMARY SIC:	4011-Railroads, Line-haul Operating
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

A8

**Target
 Property**

**LOS ANGELES UNION STATION @ 800 N ALAMEDA ST.
 LOS ANGELES, CA**

**CHMIRS S111755531
 N/A**

Site 8 of 23 in cluster A

**Actual:
 282 ft.**

CHMIRS:	
OES Incident Number:	1-3464
OES notification:	06/09/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Rail Road
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S111755531

Other:	Not reported
Date/Time:	1027
Year:	2011
Agency:	Metrolink
Incident Date:	6/9/2011
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Train Passenger Death
Quantity Released:	N/A
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	1
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Passenger on Train 14 died while boarding due to unknown cause. Paramedics were called for this unresponsive passenger, and were not able to revive. No impact to the other trains at the station..

**A9
 Target
 Property**

**SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY METRO LINK
 800 N ALAMEDA ST
 LOS ANGELES, CA 90012**

**HAZNET S113780197
 N/A**

Site 9 of 23 in cluster A

**Actual:
 282 ft.**

HAZNET:
 envid: S113780197
 Year: 2012
 GEPAID: CAC002694223
 Contact: STUART CHUCK/CASS HAMVAS
 Telephone: 3107392710
 Mailing Name: Not reported
 Mailing Address: 1 GATEWAY PLZ FL 12
 Mailing City,St,Zip: LOS ANGELES, CA 900123747
 Gen County: Los Angeles
 TSD EPA ID: AZR000031559
 TSD County: 99
 Waste Category: Not reported
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 795.32
 Cat Decode: Not reported
 Method Decode: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY METRO LINK (Continued)

S113780197

Facility County: Los Angeles

A10
Target
Property

**LOS ANGELES UNION TERMINAL - 800 N. ALAMEDA ST.
 LOS ANGELES, CA**

**CHMIRS S108406036
 N/A**

Site 10 of 23 in cluster A

Actual:
282 ft.

CHMIRS:

OES Incident Number:	5-6548
OES notification:	11/11/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Metrolink
Incident Date:	11/11/200512:00:00 AM
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Rail Road
E Date:	Not reported
Substance:	Commuter Injury
Gallons:	0.000000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S108406036

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	1
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Commuter fell and hurt herself while preparing to board the train. She wasn't on the train.

**A11
 Target
 Property**

**LA UPT UNION STATION 800 NORTH ALAMEDA
 LOS ANGELES, CA 90012**

**CHMIRS S105638241
 N/A**

Site 11 of 23 in cluster A

**Actual:
 282 ft.**

CHMIRS:	
OES Incident Number:	11026
OES notification:	Not reported
OES Date:	11/22/1995
OES Time:	08:11:34 PM
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S105638241

Cleanup By:	acti inc. hazmat team
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	metro-link rail
Incident Date:	1858/22nov95
Admin Agency:	Not reported
Amount:	25gal
Contained:	NO
Site Type:	R/R
E Date:	Not reported
Substance:	diesel fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	broken fuel filter on locomotive, most of spill contained within engine scax-865, train 320

A12 **LOS ANGELES PASSENGER TERMINAL**
Target **800 N ALAMEDA ST**
Property **LOS ANGELES, CA 90012**

HIST UST **U001560523**
 N/A

Site 12 of 23 in cluster A

Actual:
282 ft.

HIST UST:	
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000050500
Facility Type:	Other
Other Type:	TERMINAL
Contact Name:	R.L. PFISTER
Telephone:	2136252672
Owner Name:	LOS ANGELES UNION PASSENGER
Owner Address:	800 N. ALAMEDA STREET
Owner City,St,Zip:	LOS ANGELES, CA 90012
Total Tanks:	0004
Tank Num:	001
Container Num:	PT-4
Year Installed:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES PASSENGER TERMINAL (Continued)

U001560523

Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: T-1
Year Installed: 1937
Tank Capacity: 00012750
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: T-2
Year Installed: 1937
Tank Capacity: 00012750
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: T-3
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: 10

A13 **UNION STATION**
Target **800 NORTH ALAMEDA STREET**
Property **LOS ANGELES, CA 90012**

SEMS-ARCHIVE **1003877943**
CAD983566571

Site 13 of 23 in cluster A

Actual:
282 ft.

SEMS-ARCHIVE:
Site ID: 900013
EPA ID: CAD983566571
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0900013
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289132.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294727.00000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNION STATION (Continued)

1003877943

Person ID: 13003858.00000
 Contact Sequence ID: 13300585.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
 Date Started: / /
 Date Completed: 06/07/90
 Priority Level: Not reported

Action: ARCHIVE SITE
 Date Started: / /
 Date Completed: 07/20/92
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
 Date Started: / /
 Date Completed: 07/20/92
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

A14
Target
Property

800 N ALAMEDA BLVD
LOS ANGELES, CA

ERNS 9155250
N/A

Site 14 of 23 in cluster A

Actual:
282 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A15
Target
Property

NATIONAL RAILROAD PASSENGER CORP
800 ALAMEDA
LOS ANGELES, CA 90012

NPDES S109693186
N/A

Site 15 of 23 in cluster A

Actual:
282 ft.

NPDES:
 Npdes Number: Not reported
 Facility Status: Not reported
 Agency Id: Not reported
 Region: 4
 Regulatory Measure Id: 190674
 Order No: Not reported
 Regulatory Measure Type: Industrial
 Place Id: Not reported
 WDID: 4 19I014245
 Program Type: Not reported
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: Not reported
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: 6/30/2014
 Discharge Name: Not reported
 Discharge Address: Not reported
 Discharge City: Not reported
 Discharge State: Not reported
 Discharge Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL RAILROAD PASSENGER CORP (Continued)

S109693186

RECEIVED DATE: 5/9/2008
PROCESSED DATE: 6/25/1998
STATUS CODE NAME: Terminated
STATUS DATE: 10/28/2014
PLACE SIZE: 150000
PLACE SIZE UNIT: SqFt
FACILITY CONTACT NAME: Tami Calderon
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 562-906-7347
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: National Railroad Passenger Corp
OPERATOR ADDRESS: 2472 E 8th St
OPERATOR CITY: Los Angeles
OPERATOR STATE: California
OPERATOR ZIP: 90021
OPERATOR CONTACT NAME: Tami Calderon
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 213-891-3528
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: caldert@amtrak.com
OPERATOR TYPE: Government Agency Combination
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: California
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 213-683-6990
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Los Angeles River
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: 4011-Railroads, Line-haul Operating
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL RAILROAD PASSENGER CORP (Continued)

S109693186

Npdes Number: CAS000001
Facility Status: Terminated
Agency Id: 0
Region: 4
Regulatory Measure Id: 190674
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 191014245
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/25/1998
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 06/30/2014
Discharge Name: National Railroad Passenger Corp
Discharge Address: 2472 E 8th St
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90021
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NATIONAL RAILROAD PASSENGER CORP (Continued)

S109693186

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

A16
Target
Property

800 NORTH ALAMEDA
LOS ANGELES, CA 90065

ERNS 95315100
N/A

Site 16 of 23 in cluster A

Actual:
282 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A17
Target
Property

LOS ANGELES TRAIN STATION, 800 NORTH ALAMEDA ST
LOS ANGELES, CA

CHMIRS S119000289
N/A

Site 17 of 23 in cluster A

Actual:
282 ft.

CHMIRS:	
OES Incident Number:	16-5095
OES notification:	08/22/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S119000289

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Rail Road
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	RAILROAD
Measure:	N/A
Other:	Not reported
Date/Time:	806
Year:	2016
Agency:	NATIONAL RESPONSE CENTER
Incident Date:	08/22/2016
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Death
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	1
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	Yes
Comments:	Not reported
Description:	Per NRC#1156974, "CALLER IS REPORTING A PASSENGER DIED ONBOARD A PASSENGER TRAIN. CAUSE OF DEATH IS UNKNOWN AT THIS TIME."

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A18 **LOS ANGELES UNION STATION PLATFORM 7**
Target **800 N ALAMEDA ST**
Property **LOS ANGELES, CA 90012**

NPDES **S104578383**
 N/A

Site 18 of 23 in cluster A

Actual:
282 ft.

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 415369
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 4 19C361099
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 10/18/2012
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 5/23/2011
PROCESSED DATE: 5/31/2011
STATUS CODE NAME: Terminated
STATUS DATE: 5/20/2013
PLACE SIZE: 2
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Nigel Chalmers
FACILITY CONTACT TITLE: Project Manager
FACILITY CONTACT PHONE: 562-263-5000
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: nchalmers@kempbros.com
OPERATOR NAME: Southern California Regional Rail Authority
OPERATOR ADDRESS: One Gateway Plaza
OPERATOR CITY: Los Angeles
OPERATOR STATE: California
OPERATOR ZIP: 90012
OPERATOR CONTACT NAME: Stuart Chuck
OPERATOR CONTACT TITLE: Project Manager
OPERATOR CONTACT PHONE: 909-592-7920
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: chucks@scrra.net
OPERATOR TYPE: Government Agency Combination
DEVELOPER NAME: Kemp Brothers Construction
DEVELOPER ADDRESS: 10135 Geary Ave
DEVELOPER CITY: Santa Fe Springs
DEVELOPER STATE: California
DEVELOPER ZIP: 90670
DEVELOPER CONTACT NAME: Nigel Chalmers
DEVELOPER CONTACT TITLE: Project Manager
CONSTYPE LINEAR UTILITY IND: N
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES UNION STATION PLATFORM 7 (Continued)

S104578383

CONSTYPE BELOW GROUND IND: Not reported
 CONSTYPE CABLE LINE IND: Not reported
 CONSTYPE COMM LINE IND: Not reported
 CONSTYPE COMMERTIAL IND: Not reported
 CONSTYPE ELECTRICAL LINE IND: Not reported
 CONSTYPE GAS LINE IND: Not reported
 CONSTYPE INDUSTRIAL IND: Not reported
 CONSTYPE OTHER DESCRIPTION: Not reported
 CONSTYPE OTHER IND: Not reported
 CONSTYPE RECONS IND: Not reported
 CONSTYPE RESIDENTIAL IND: Not reported
 CONSTYPE TRANSPORT IND: Y
 CONSTYPE UTILITY DESCRIPTION: Not reported
 CONSTYPE UTILITY IND: Not reported
 CONSTYPE WATER SEWER IND: Not reported
 DIR DISCHARGE USWATER IND: N
 RECEIVING WATER NAME: Not reported
 CERTIFIER NAME: Stuart Chuck
 CERTIFIER TITLE: Project Manager
 CERTIFICATION DATE: 23-MAY-11
 PRIMARY SIC: Not reported
 SECONDARY SIC: Not reported
 TERTIARY SIC: Not reported

A19
Target
Property

L A UNION PASSENGER TERMINAL
800 N ALAMEDA ST
LOS ANGELES, CA 90021

SWEEPS UST
HIST UST
CA FID UST
EMI
LA Co. Site Mitigation
WDS

S106027472
N/A

Site 19 of 23 in cluster A

Actual:
282 ft.

SWEEPS UST:
 Status: Active
 Comp Number: 3356
 Number: 1
 Board Of Equalization: 44-012957
 Referral Date: 05-06-93
 Action Date: 05-06-93
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-050-003356-000001
 Tank Status: A
 Capacity: 12750
 Active Date: 04-20-88
 Tank Use: CHEMICAL
 STG: P
 Content: UNKNOWN
 Number Of Tanks: 3

 Status: Active
 Comp Number: 3356
 Number: 1
 Board Of Equalization: 44-012957
 Referral Date: 05-06-93
 Action Date: 05-06-93
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-050-003356-000002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L A UNION PASSENGER TERMINAL (Continued)

S106027472

Tank Status: A
Capacity: 12750
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Active
Comp Number: 3356
Number: 1
Board Of Equalization: 44-012957
Referral Date: 05-06-93
Action Date: 05-06-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003356-000003
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: 000278F3
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000278F3.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L A UNION PASSENGER TERMINAL (Continued)

S106027472

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 19004169
Regulated By: UTNKA
Regulated ID: 00061183
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136252672
Mail To: Not reported
Mailing Address: 800 N ALAMEDA STREET-ROOM
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 19004169
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136292127
Mail To: Not reported
Mailing Address: 800 S ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 4954
Air District Name: SC
SIC Code: 4463
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L A UNION PASSENGER TERMINAL (Continued)

S106027472

LA Co. Site Mitigation:

Facility ID: Not reported
Site ID: SD0011772
Jurisdiction: Not reported
Case ID: RO0000468
Abated: Yes
Assigned To: Not reported
Entered Date: Not reported
Abated Date: 01/01/2001

WDS:

Facility ID: 4 19I014245
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Sheldon Peterson
Agency Name: LOS ANGELES UNION STATION
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 4011
SIC Code 2: Not reported
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L A UNION PASSENGER TERMINAL (Continued)

S106027472

dischargers having waste storage systems with land disposal such as dairy waste ponds.

**A20
Target
Property**

**800 N ALAMEDA
LOS ANGELES, CA**

**ERNS 2005779302
N/A**

Site 20 of 23 in cluster A

**Actual:
282 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**A21
Target
Property**

**LOS ANGELES UNION STATION
800 N ALAMEDA ST
LOS ANGELES, CA 90012**

**RCRA-LQG 1016955015
CAR000247015**

Site 21 of 23 in cluster A

**Actual:
282 ft.**

RCRA-LQG:

Date form received by agency: 06/09/2014
Facility name: LOS ANGELES UNION STATION
Facility address: 800 N ALAMEDA ST
LOS ANGELES, CA 90012
EPA ID: CAR000247015
Mailing address: 1 GATEWAY PLAZA
LOS ANGELES, CA 90012
Contact: KENNETH E PRATT
Contact address: 1 GATEWAY PLAZA MAIL STOP 99 15 20V
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: 213-922-6288
Contact email: PRATTK@METRO.NET
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LACMTA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: 04/11/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES UNION STATION (Continued)

1016955015

Owner/Op end date: Not reported

Owner/operator name: LACMTA
Owner/operator address: 1 GATEWAY PLAZA
LOS ANGELES, CA 90012

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 04/11/2012
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 151
. Waste name: 151

. Waste code: 352
. Waste name: 352

. Waste code: 724
. Waste name: 724

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

A22 **AMTRAK**
Target **800 N ALAMEDA ST**
Property **LOS ANGELES, CA 90012**

HAZNET **S112897419**
N/A

Site 22 of 23 in cluster A

Actual: HAZNET:
282 ft. envid: S112897419
Year: 1998
GEPaid: CAC002105656
Contact: NATIONAL RAILROAD PASSENGER CO
Telephone: 2138913561

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMTRAK (Continued)

S112897419

Mailing Name: Not reported
Mailing Address: 810 N ALAMEDA ST
Mailing City, St, Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .0834
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

B23

LEE HONG
714 N ALAMEDA ST
LOS ANGELES, CA

EDR Hist Auto 1009082909
N/A

< 1/8
1 ft.

Site 1 of 4 in cluster B

Relative:
Higher

EDR Historical Auto Stations:
Name: LEE HONG
Year: 1937
Type: AUTOMOBILE REPAIRING

Actual:
282 ft.

B24

MUN SAM
719 N ALAMEDA ST
LOS ANGELES, CA

EDR Hist Cleaner 1009190106
N/A

< 1/8
1 ft.

Site 2 of 4 in cluster B

Relative:
Higher

EDR Historical Cleaners:
Name: MUN SAM
Year: 1929
Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

Actual:
282 ft.

Name: SAM MUN
Year: 1933
Type: CLOTHES PRESSERS AND CLEANERS

A25

METRO RAIL
UNION STATION
LOS ANGELES, CA 90023

SLIC S103547105
N/A

< 1/8
1 ft.

Site 23 of 23 in cluster A

Relative:
Higher

SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 08/16/1996
Global Id: SLT43207205
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.056806
Longitude: -118.235709
Case Type: Cleanup Program Site

Actual:
282 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO RAIL (Continued)

S103547105

Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0311
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: No further action required
SLIC: 0311
Substance: TPH
Staff: Manjulika Chakarbarti

B26

**L A UNION PASSENGER TERMINAL
726 N ALAMEDA ST
LOS ANGELES, CA 90012**

**SWEEPS UST S101588210
CA FID UST N/A**

< 1/8
1 ft.

Site 3 of 4 in cluster B

**Relative:
Higher**

SWEEPS UST:

Status: Not reported
Comp Number: 7170
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

**Actual:
282 ft.**

CA FID UST:

Facility ID: 19056450
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 726 N ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L A UNION PASSENGER TERMINAL (Continued)

S101588210

Comments: Not reported
Status: Active

B27 **PACIFIC COAST SERVICE**
701 N ALAMEDA ST
LOS ANGELES, CA

EDR Hist Auto **1009078790**
N/A

< 1/8
1 ft.

Site 4 of 4 in cluster B

Relative:
Lower

EDR Historical Auto Stations:

Name: PACIFIC COAST SERVICE
Year: 1933

Actual:
281 ft.

Type: GASOLINE AND OIL SERVICE STATIONS

C28 **ROMERO JUVENTINO**
105 ARCADIA WY
LOS ANGELES, CA

EDR Hist Cleaner **1009187551**
N/A

< 1/8
0.000 mi.
2 ft.

Site 1 of 4 in cluster C

Relative:
Higher

EDR Historical Cleaners:

Name: ROMERO JUVENTINO
Year: 1929

Actual:
284 ft.

Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

Name: ROMERO JUVENTINO

Year: 1929

Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

C29 **VELASCO FLORENZO**
107 ARCADIA WY
LOS ANGELES, CA

EDR Hist Cleaner **1009187317**
N/A

< 1/8
0.001 mi.
3 ft.

Site 2 of 4 in cluster C

Relative:
Higher

EDR Historical Cleaners:

Name: VELASCO FLORENZO
Year: 1933

Actual:
284 ft.

Type: CLOTHES PRESSERS AND CLEANERS

30 **MUN SAM**
518 N LOS ANGELES ST
LOS ANGELES, CA

EDR Hist Cleaner **1009193793**
N/A

< 1/8
0.001 mi.
3 ft.

Relative:
Higher

EDR Historical Cleaners:

Name: MUN SAM
Year: 1942

Actual:
293 ft.

Type: LAUNDRIES ORIENTAL

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C31 WSW < 1/8 0.002 mi. 12 ft.	KETCHAM J L 431 N MAIN WATTS, CA Site 3 of 4 in cluster C	EDR Hist Auto	1009019582 N/A
Relative: Higher	EDR Historical Auto Stations: Name: KETCHAM J L Year: 1928		
Actual: 283 ft.	Type: AUTOMOBILE REPAIRING AND SERVICE STATIONS		
D32 WSW < 1/8 0.002 mi. 12 ft.	UNG HENRY 426 N LOS ANGELES ST LOS ANGELES, CA Site 1 of 5 in cluster D	EDR Hist Auto	1009079629 N/A
Relative: Higher	EDR Historical Auto Stations: Name: UNG HENRY Year: 1933		
Actual: 285 ft.	Type: GASOLINE AND OIL SERVICE STATIONS		
	Name: UNG HENRY Year: 1937 Type: GASOLINE AND OIL SERVICE STATIONS		
33 North < 1/8 0.003 mi. 14 ft.	880 N ALAMEDA ST LOS ANGELES, CA 90012	EDR Hist Auto	1015661929 N/A
Relative: Higher	EDR Historical Auto Stations: Name: UNION STATION Year: 2005		
Actual: 282 ft.	Address: 880 N ALAMEDA ST		
	Name: UNION STATION Year: 2006 Address: 880 N ALAMEDA ST		
E34 North < 1/8 0.026 mi. 135 ft.	JEFFRIES G W 853 N ALAMEDA ST LOS ANGELES, CA Site 1 of 6 in cluster E	EDR Hist Auto	1009081668 N/A
Relative: Higher	EDR Historical Auto Stations: Name: JEFFRIES G W Year: 1942		
Actual: 283 ft.	Type: GASOLINE AND OIL SERVICE STATIONS		

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

D35
SW
< 1/8
0.030 mi.
161 ft.

KATZ BARNEY
410 N LOS ANGELES ST
LOS ANGELES, CA

EDR Hist Auto **1009081314**
N/A

Site 2 of 5 in cluster D

Relative:
Higher

EDR Historical Auto Stations:

Name: KATZ BARNEY
Year: 1937
Type: GASOLINE AND OIL SERVICE STATIONS

Actual:
282 ft.

C36
WSW
< 1/8
0.031 mi.
163 ft.

KENNEDY K S
323 ALISO ST
LOS ANGELES, CA

EDR Hist Auto **1009078049**
N/A

Site 4 of 4 in cluster C

Relative:
Higher

EDR Historical Auto Stations:

Name: MC MILLAN J W
Year: 1929
Type: AUTOMOBILE REPAIRING AND SERVICE STATIONS

Actual:
282 ft.

Name: LOCKWOOD RIEGER
Year: 1929
Type: GASOLINE AND OIL SERVICE STATION

Name: CHAMPAGNE JOS
Year: 1933
Type: GASOLINE AND OIL SERVICE STATIONS

Name: KENNEDY K S
Year: 1937
Type: GASOLINE AND OIL SERVICE STATIONS

E37
North
< 1/8
0.036 mi.
191 ft.

CHEVRON STATION NO. 9-8815
901 ALAMEDA ST N
LOS ANGELES, CA 90012

LUST **S109117580**
N/A

Site 2 of 6 in cluster E

Relative:
Higher

LUST:

Region: STATE
Global Id: T0603708220
Latitude: 34.058455
Longitude: -118.237293
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/07/2011
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120516
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
286 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO. 9-8815 (Continued)

S109117580

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603708220
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603708220
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603708220
Status: Open - Case Begin Date
Status Date: 05/18/2000

Global Id: T0603708220
Status: Open - Site Assessment
Status Date: 06/27/2011

Global Id: T0603708220
Status: Completed - Case Closed
Status Date: 09/07/2011

Regulatory Activities:

Global Id: T0603708220
Action Type: REMEDIATION
Date: 09/14/1994
Action: Excavation

Global Id: T0603708220
Action Type: Other
Date: 05/18/2000
Action: Leak Reported

Global Id: T0603708220
Action Type: ENFORCEMENT
Date: 05/10/2011
Action: Referral to Regional Board

Global Id: T0603708220
Action Type: ENFORCEMENT
Date: 06/27/2011
Action: Staff Letter

Global Id: T0603708220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO. 9-8815 (Continued)

S109117580

Action Type: ENFORCEMENT
Date: 09/07/2011
Action: Closure/No Further Action Letter

Global Id: T0603708220
Action Type: Other
Date: 05/18/2000
Action: Leak Discovery

E38
North
< 1/8
0.036 mi.
191 ft.

CHEVRON STATION #9-8815
901 N ALAMEDA ST
LOS ANGELES, CA 90012

Site 3 of 6 in cluster E

UST U003982230
N/A

Relative:
Higher

UST:
Facility ID: 23803
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.059856
Longitude: -118.235931

Actual:
286 ft.

E39
North
< 1/8
0.036 mi.
191 ft.

JOE BEZERRA CHEVRON
901 N ALAMEDA ST
LOS ANGELES, CA 90012

Site 4 of 6 in cluster E

SWEEPS UST U001560493
HIST UST N/A

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 5489
Number: 2
Board Of Equalization: Not reported
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-005489-000001
Tank Status: A
Capacity: 10000
Active Date: 03-03-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Actual:
286 ft.

Status: Active
Comp Number: 5489
Number: 2
Board Of Equalization: Not reported
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-005489-000002
Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOE BEZERRA CHEVRON (Continued)

U001560493

Capacity: 10000
Active Date: 03-03-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 5489
Number: 2
Board Of Equalization: Not reported
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-005489-000003
Tank Status: A
Capacity: 10000
Active Date: 03-03-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: 00026EC7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EC7.pdf>
Region: STATE
Facility ID: 00000063148
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CO BRANDED OUTLET-CHEVRON
Telephone: 0000000000
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 0000000001
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 0000000002
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOE BEZERRA CHEVRON (Continued)

U001560493

Container Num: 0000000003
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 0000000004
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

E40
North
< 1/8
0.036 mi.
191 ft.

HAWK II ENVIRONMENTAL CORP
901 N ALAMEDA ST
LOS ANGELES, CA 90012

EDR Hist Auto 1008996168
N/A

Site 5 of 6 in cluster E

Relative:
Higher

EDR Historical Auto Stations:

Actual:
286 ft.

Name: BEZERRA JOE CHEVRON SERVICE
Year: 1994
Type: Not reported

Name: BEZERRA JOE CHEVRON SERVICE
Year: 1999
Address: 901 N ALAMEDA ST

Name: BEZERRA JOE CHEVRON SERVICE
Year: 2001
Address: 901 N ALAMEDA ST

Name: JOE BEZERRA CHEVRON SERVICE CORP
Year: 2002
Address: 901 N ALAMEDA ST

Name: BEZERRA JOE CHEVRON SERVICE
Year: 2003
Address: 901 N ALAMEDA ST

Name: CHEVRON
Year: 2010
Address: 901 N ALAMEDA ST

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F41 SSW < 1/8 0.039 mi. 206 ft.	B M SERVIE 620 N ALAMEDA ST LOS ANGELES, CA Site 1 of 3 in cluster F	EDR Hist Auto	1009079846 N/A
Relative: Lower	EDR Historical Auto Stations: Name: B M SERVIE Year: 1937 Type: GASOLINE AND OIL SERVICE STATIONS		
Actual: 280 ft.			
D42 SW < 1/8 0.039 mi. 208 ft.	GEE LUNG CO 209 ALISO ST LOS ANGELES, CA Site 3 of 5 in cluster D	EDR Hist Cleaner	1009186859 N/A
Relative: Higher	EDR Historical Cleaners: Name: GEE LUNG CO Year: 1924 Type: LAUNDRIES ORIENTAL		
Actual: 282 ft.			
D43 SW < 1/8 0.040 mi. 211 ft.	LEE SAM 213 ALISO ST LOS ANGELES, CA Site 4 of 5 in cluster D	EDR Hist Cleaner	1009191554 N/A
Relative: Higher	EDR Historical Cleaners: Name: YICK LEE CO Year: 1929 Type: LAUNDRIES ORIENTAL		
Actual: 282 ft.	Name: YICK L Year: 1933 Type: CLOTHES PRESSERS AND CLEANERS		
	Name: LEE SAM Year: 1942 Type: LAUNDRIES ORIENTAL		
D44 SW < 1/8 0.041 mi. 214 ft.	YICK SAM 217 ALISO ST LOS ANGELES, CA Site 5 of 5 in cluster D	EDR Hist Cleaner	1009190561 N/A
Relative: Higher	EDR Historical Cleaners: Name: YICK SAM Year: 1929 Type: LAUNDRIES ORIENTAL		
Actual: 282 ft.	Name: YICK SAM Year: 1933 Type: LAUNDRIES CHINESE		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
45 SW < 1/8 0.041 mi. 216 ft.	HOP YUN 219 ALISO ST LOS ANGELES, CA	EDR Hist Cleaner	1009192009 N/A
Relative: Higher	EDR Historical Cleaners: Name: HOP YUN Year: 1933 Type: LAUNDRIES CHINESE		
Actual: 282 ft.			
G46 WNW < 1/8 0.047 mi. 250 ft.	TERRAZAS MANUEL 608 N MAINE AVE LOS ANGELES, CA Site 1 of 3 in cluster G	EDR Hist Cleaner	1009189792 N/A
Relative: Higher	EDR Historical Cleaners: Name: TERRAZAS MANUEL Year: 1929 Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS		
Actual: 296 ft.			
H47 NNW < 1/8 0.049 mi. 258 ft.	ENCINAS FRANK 651 N MAINE AVE LOS ANGELES, CA Site 1 of 2 in cluster H	EDR Hist Auto	1009077634 N/A
Relative: Higher	EDR Historical Auto Stations: Name: ENCINAS FRANK Year: 1929 Type: AUTOMOBILE REPAIRING AND SERVICE STATIONS		
Actual: 293 ft.			
H48 NNW < 1/8 0.049 mi. 261 ft.	WEST COAST AUTO PARTS REPAIR CO 649 N MAINE AVE LOS ANGELES, CA Site 2 of 2 in cluster H	EDR Hist Auto	1009079730 N/A
Relative: Higher	EDR Historical Auto Stations: Name: WEST COAST AUTO PARTS REPAIR CO Year: 1924 Type: AUTOMOBILE REPAIRING		
Actual: 293 ft.			
49 SSE < 1/8 0.051 mi. 271 ft.	METROPOLITAN WATER DISTRICT 700 N ALAMEDA STREET LOS ANGELES, CA 90012	UST FINDS	1009324104 N/A
Relative: Higher	UST: Facility ID: 25526 Permitting Agency: LOS ANGELES, CITY OF		
Actual: 282 ft.	Latitude: 34.056228 Longitude: -118.234877		

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

METROPOLITAN WATER DISTRICT (Continued)

1009324104

FINDS:

Registry ID: 110024275835

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

**G50
 WNW
 < 1/8
 0.052 mi.
 275 ft.**

**RIVERA T M
 610 N MAINE AVE
 LOS ANGELES, CA**

**EDR Hist Auto 1009078123
 N/A**

Site 2 of 3 in cluster G

**Relative:
 Higher**

EDR Historical Auto Stations:

Name: RIVERA T M
 Year: 1924
 Type: AUTOMOBILE REPAIRING

**Actual:
 295 ft.**

**E51
 NNW
 < 1/8
 0.052 mi.
 277 ft.**

**ARCO SERVICE STATION
 701 N MAIN ST
 LOS ANGELES, CA 90012**

**SWEEPS UST S101583907
 CA FID UST N/A**

Site 6 of 6 in cluster E

**Relative:
 Higher**

SWEEPS UST:

Status: Not reported
 Comp Number: 4634
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

**Actual:
 292 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO SERVICE STATION (Continued)

S101583907

CA FID UST:
Facility ID: 19007215
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132278024
Mail To: Not reported
Mailing Address: 701 N MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

G52
West
< 1/8
0.056 mi.
295 ft.

EL PUEBLO PLAZA
501 N. MAIN ST
LOS ANGELES, CA 90013

RCRA-LQG 1012175850
CAR000143388

Site 3 of 3 in cluster G

Relative:
Higher

RCRA-LQG:

Actual:
296 ft.

Date form received by agency: 06/26/2008
Facility name: EL PUEBLO PLAZA
Facility address: 501 N. MAIN ST
LOS ANGELES, CA 90013
EPA ID: CAR000143388
Mailing address: 1100 N. EASTERN AVE., RM 225
LOS ANGELES, CA 90063
Contact: ROBERT WONG
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (323) 881-4690
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: COUNTY OF LOS ANGELES
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EL PUEBLO PLAZA (Continued)

1012175850

Owner/operator country: Not reported
US
Owner/operator telephone: Not reported
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2003
Owner/Op end date: Not reported

Owner/operator name: COUNTY OF LOS ANGELES
Owner/operator address: 222 SOUTH HILL ST. 3RD & 4TH
LOS ANGELES, CA 90012

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

F53
SSW
< 1/8
0.081 mi.
426 ft.

USDOJ BP MDC LA
535 N ALAMEDA
LOS ANGELES, CA 90012

RCRA-SQG 1000200349
FINDS CA0151990496
ECHO

Site 2 of 3 in cluster F

Relative:
Lower

RCRA-SQG:
Date form received by agency: 08/26/1988
Facility name: USDOJ BP MDC LA
Facility address: 535 N ALAMEDA
LOS ANGELES, CA 90012
EPA ID: CA0151990496
Mailing address: N ALAMEDA
LOS ANGELES, CA 90012
Contact: ENVIRONMENTAL MANAGER
Contact address: 535 N ALAMEDA
LOS ANGELES, CA 90012
Contact country: US

Actual:
280 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USDOJ BP MDC LA (Continued)

1000200349

Contact telephone: (213) 798-4279
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US DEPT OF JUSTICE BOP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002624786

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USDOJ BP MDC LA (Continued)

1000200349

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000200349
 Registry ID: 110002624786
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002624786

F54
SSW
 < 1/8
 0.081 mi.
 426 ft.

METROPOLITAN DETENTION CENTER
535 N ALAMEDA ST
LOS ANGELES, CA 90012
 Site 3 of 3 in cluster F

UST U003781725
 N/A

Relative:
Lower

UST:
 Facility ID: 25504
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.0542631
 Longitude: -118.2366647

Actual:
280 ft.

I55
WNW
 < 1/8
 0.087 mi.
 461 ft.

WILLIAM E WARNE POWER PLANT
1.5 MI S/O I5/SMOKY BEAR RD
GORMAN, CA 93553
 Site 1 of 2 in cluster I

AST A100426220
 N/A

Relative:
Higher

AST:
 Certified Unified Program Agencies: Not reported
 Owner: DEPT OF WATER RESOURCES
 Total Gallons: Not reported
 CERSID: 10266739
 Facility ID: LACoFA0000620
 Business Name: Southern Field Division
 Phone: (661) 803-5793
 Fax: (661) 248 6169
 Mailing Address: PO BOX 1187
 Mailing Address City: PEARBLOSSOM
 Mailing Address State: CA
 Mailing Address Zip Code: 93553
 Operator Name: Lorraine Costanzo
 Operator Phone: (661) 944-8650
 Owner Phone: (661) 944-8502
 Owner Mail Address: P O BOX 1187
 Owner State: CA
 Owner Zip Code: 93553
 Owner Country: United States
 Property Owner Name: DEPT OF WATER RESOURCES
 Property Owner Phone: 661-944-8600
 Property Owner Mailing Address: PO BOX 1187
 Property Owner City: Pearblossom
 Property Owner Stat : CA
 Property Owner Zip Code: 93553
 Property Owner Country: United States

Actual:
314 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM E WARNE POWER PLANT (Continued)

A100426220

EPAID: CAR000151191

**I56
WNW
< 1/8
0.087 mi.
461 ft.**

**CITY OF AVALON WAREHOUSES
1 FALLS CANYON RD
AVALON, CA 90704**

**AST A100418758
N/A**

Site 2 of 2 in cluster I

**Relative:
Higher**

AST:

Certified Unified Program Agencies: Not reported
Owner: CITY OF AVALON WAREHOUSES
Total Gallons: Not reported
CERSID: 10272064
Facility ID: LACoFA0010122
Business Name: CITY OF AVALON WAREHOUSES
Phone: (310) 510-0220
Fax: 310 510-0810
Mailing Address: PO BOX 707
Mailing Address City: AVALON
Mailing Address State: CA
Mailing Address Zip Code: 90704
Operator Name: Dennis Jaich
Operator Phone: 619 843-0088
Owner Phone: 310 510-220
Owner Mail Address: P.O. BOX 707
Owner State: CA
Owner Zip Code: 90704
Owner Country: United States
Property Owner Name: City of Avalon
Property Owner Phone: 310 510-0220
Property Owner Mailing Address: PO Box 707
Property Owner City: Avalon
Property Owner Stat : CA
Property Owner Zip Code: 90704
Property Owner Country: United States
EPAID: CAD981377864

**Actual:
314 ft.**

**J57
WSW
< 1/8
0.089 mi.
468 ft.**

**US COURTHOUSE
312 N SPRING ST
LOS ANGELES, CA 90012**

**HIST UST U001560543
N/A**

Site 1 of 4 in cluster J

**Relative:
Higher**

HIST UST:

File Number: 00026AA7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026AA7.pdf>
Region: STATE
Facility ID: 00000047139
Facility Type: Other
Other Type: OFFICE BUILDING
Contact Name: JERRY OLIVER
Telephone: 2136883222
Owner Name: GENERAL SERVICES ADMINISTRATIO
Owner Address: 312 N. SPRING ST.
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0002

**Actual:
308 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US COURTHOUSE (Continued)

U001560543

Tank Num: 001
Container Num: T-3-2
Year Installed: 1937
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: T-3-1
Year Installed: 1937
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

J58
WSW
< 1/8
0.089 mi.
468 ft.

GENERAL SERVICES ADMINISTRATION
312 N SPRING ST
LOS ANGELES, CA 90012

SWEEPS UST S101585018
CA FID UST N/A

Site 2 of 4 in cluster J

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 2483
Number: 7
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002483-000001
Tank Status: A
Capacity: 12000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Actual:
308 ft.

Status: Active
Comp Number: 2483
Number: 7
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002483-000002
Tank Status: A
Capacity: 12000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL SERVICES ADMINISTRATION (Continued)

S101585018

Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19018396
Regulated By: UTNKA
Regulated ID: 00047139
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138943253
Mail To: Not reported
Mailing Address: 312 N SPRING ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

J59
WSW
< 1/8
0.089 mi.
468 ft.

US FEDERAL COURTHOUSE
312 N SPRING ST
LOS ANGELES, CA 90012

UST U003780460
N/A

Site 3 of 4 in cluster J

Relative:
Higher

UST:
Facility ID: 24015
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.056478
Longitude: -118.240183

Actual:
308 ft.

J60
WSW
< 1/8
0.092 mi.
488 ft.

300 N MAIN ST
LOS ANGELES, CA 90012

EDR Hist Auto 1015400257
N/A

Site 4 of 4 in cluster J

Relative:
Higher

EDR Historical Auto Stations:
Name: GRAND AUTO SERVICE
Year: 2005
Address: 300 N MAIN ST

Name: GRAND AUTO SERVICE
Year: 2006
Address: 300 N MAIN ST

Name: GRAND AUTO SERVICE
Year: 2007
Address: 300 N MAIN ST

Name: GRAND AUTO SERVICE
Year: 2008
Address: 300 N MAIN ST

Actual:
300 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

1015400257

Name: GRAND AUTO SERVICE
 Year: 2009
 Address: 300 N MAIN ST

**K61
 NE
 < 1/8
 0.094 mi.
 497 ft.**

**TERMINAL ANNEX
 900 N ALAMEDA
 LOS ANGELES, CA 90052**

HIST UST

**U001561993
 N/A**

Site 1 of 6 in cluster K

**Relative:
 Higher**

HIST UST:

**Actual:
 284 ft.**

File Number: 00028E2D
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028E2D.pdf>
 Region: STATE
 Facility ID: 00000041175
 Facility Type: Other
 Other Type: U.S. POSTAL SERVICE
 Contact Name: W.L. ARNETTE
 Telephone: 2136882285
 Owner Name: U.S. POSTAL SERVICE
 Owner Address: 900 NORTH ALAMEDA STREET RM 3
 Owner City,St,Zip: LOS ANGELES, CA 90052
 Total Tanks: 0009

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000055
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 1B
 Year Installed: Not reported
 Tank Capacity: 00020000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 003
 Container Num: 1 W
 Year Installed: Not reported
 Tank Capacity: 00000600
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 004
 Container Num: 00-01A
 Year Installed: Not reported
 Tank Capacity: 00000600
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL ANNEX (Continued)

U001561993

Leak Detection:	None
Tank Num:	005
Container Num:	00-01
Year Installed:	Not reported
Tank Capacity:	00000600
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	03
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	01-C
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	008
Container Num:	01-B
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	009
Container Num:	01-A
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

[Click here for Geo Tracker PDF:](#)

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

K62 **U S POST OFFICE**
NE **900 N ALAMEDA ST**
< 1/8 **LOS ANGELES, CA 90012**
0.094 mi.
497 ft. **Site 2 of 6 in cluster K**

SWEEPS UST **S101583609**
CA FID UST **N/A**

Relative:
Higher

SWEEPS UST:
Status: Not reported
Comp Number: 7700
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

Actual:
284 ft.

CA FID UST:
Facility ID: 19004917
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: UNK
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

K63 **USPS**
NE **900 N ALAMEDA ST**
< 1/8 **LOS ANGELES, CA 90052**
0.094 mi.
497 ft. **Site 3 of 6 in cluster K**

RCRA NonGen / NLR **1000349153**
FINDS **CA6180090403**
ECHO

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 08/07/1987
Facility name: USPS
Facility address: 900 N ALAMEDA ST
LOS ANGELES, CA 90052
EPA ID: CA6180090403
Mailing address: N ALAMEDA ST
LOS ANGELES, CA 90052
Contact: ENVIRONMENTAL MANAGER
Contact address: 900 N ALAMEDA ST

Actual:
284 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USPS (Continued)

1000349153

LOS ANGELES, CA 90052
Contact country: US
Contact telephone: (213) 617-4501
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SERVICE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002625570

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USPS (Continued)

1000349153

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000349153
Registry ID: 110002625570
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002625570

**K64
NE
< 1/8
0.094 mi.
497 ft.**

**U.S. POSTAL SERVICE TERMINAL ANNEX
900 ALAMEDA ST N
LOS ANGELES, CA 90012**

**LUST S103281948
N/A**

Site 4 of 6 in cluster K

**Relative:
Higher**

LUST:

**Actual:
284 ft.**

Region: STATE
Global Id: T0603700527
Latitude: 34.058067
Longitude: -118.235338
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/12/1999
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120316
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700527
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700527
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700527
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U.S. POSTAL SERVICE TERMINAL ANNEX (Continued)

S103281948

Status Date: 01/04/1994

Global Id: T0603700527
Status: Open - Site Assessment
Status Date: 01/04/1994

Global Id: T0603700527
Status: Open - Remediation
Status Date: 07/22/1996

Global Id: T0603700527
Status: Open - Site Assessment
Status Date: 04/30/1997

Global Id: T0603700527
Status: Open - Remediation
Status Date: 08/10/1998

Global Id: T0603700527
Status: Completed - Case Closed
Status Date: 11/12/1999

Regulatory Activities:

Global Id: T0603700527
Action Type: ENFORCEMENT
Date: 06/11/1998
Action: * Historical Enforcement

Global Id: T0603700527
Action Type: Other
Date: 01/04/1994
Action: Leak Reported

Global Id: T0603700527
Action Type: Other
Date: 01/04/1994
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120316
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700527
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: MAIN ST
Enforcement Type: EF

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U.S. POSTAL SERVICE TERMINAL ANNEX (Continued)

S103281948

Date Leak Discovered: 1/4/1994
 Date Leak First Reported: 1/4/1994
 Date Leak Record Entered: 9/24/1996
 Date Confirmation Began: Not reported
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: 3/30/2000
 Date the Case was Closed: 11/12/1999
 How Leak Discovered: Not reported
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Operator: OLD CASE #902210043
 Water System: DAVE GRIFFITH L A D W P
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 1855.5403033884881535169290062
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: 1/4/1994
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 4/30/1997
 Remediation Plan Submitted: 8/10/1998
 Remedial Action Underway: 7/22/1996
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: 6/11/1998
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: PACIFIC FACILITIES SERVICE OFF
 RP Address: 395 OLYSTER POINT BLVD., #225, S. SAN FRANCISCO 94099-0300
 Program: LUST
 Lat/Long: 34.0580666 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600649-001GEN
 Summary: RAP FOR WORK STARTED 8/96 REC'D 8/11/98; 4/28/99 4TH QTR GW MON RPT 1998; 5/4/99 CLOSURE PLAN; 6/4/99 1ST QTR 1999 GW MON RPT; 1/14/00 CASE CLOSURE-WELL ABANDONMENT & DECOMMISSIONING; 3/30/00 CLOSURE DOCUMENTATION

K65
NE
 < 1/8
 0.094 mi.
 497 ft.

VERIZON GLOBAL NETWORKS INC
900 N ALAMEDA AVE
LOS ANGELES, CA
 Site 5 of 6 in cluster K

AST A100425881
N/A

Relative:
Higher

AST:
 Certified Unified Program Agencies: Not reported
 Owner: MCI dba Verizon Business
 Total Gallons: Not reported
 CERSID: 10259683
 Facility ID: Not reported

Actual:
284 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VERIZON GLOBAL NETWORKS INC (Continued)

A100425881

Business Name: MCI, dba Verizon Business
Phone: 213-452-5228
Fax: 909-629-3471
Mailing Address: 18850 Orange St.
Mailing Address City: Bloomington
Mailing Address State: CA
Mailing Address Zip Code: 92316
Operator Name: Verizon Business
Operator Phone: 909-879-2712
Owner Phone: 909-879-2712
Owner Mail Address: 18850 Orange St.
Owner State: CA
Owner Zip Code: 92316
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

**K66
NE
< 1/8
0.094 mi.
497 ft.**

**CORESITE
900 N ALAMEDA ST
LOS ANGELES, CA 90012
Site 6 of 6 in cluster K**

**AST A100419012
N/A**

**Relative:
Higher**

AST:

**Actual:
284 ft.**

Certified Unified Program Agencies: Not reported
Owner: CoreSite Realty Corporation
Total Gallons: Not reported
CERSID: 10257766
Facility ID: Not reported
Business Name: CORESITE
Phone: (213) 327-1234
Fax: Not reported
Mailing Address: 900 N ALAMEDA ST SUITE 200
Mailing Address City: LOS ANGELES
Mailing Address State: CA
Mailing Address Zip Code: 90012
Operator Name: CoreSite Real Estate 900 N. Alameda, L.L.C.
Operator Phone: (213) 327-1234
Owner Phone: (303) 405-1000
Owner Mail Address: 1050 17TH ST STE 800
Owner State: CO
Owner Zip Code: 80265
Owner Country: United States
Property Owner Name: TCG EURIS ALAMEDA LP
Property Owner Phone: Not reported
Property Owner Mailing Address: 1050 17TH ST STE 800
Property Owner City: DENVER
Property Owner Stat : CO
Property Owner Zip Code: 80265
Property Owner Country: United States
EPAID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L67
North
< 1/8
0.095 mi.
503 ft.
GIBBS REALTY
739 N MAIN ST
LOS ANGELES, CA 90012
Site 1 of 3 in cluster L

SWEEPS UST **S101588086**
CA FID UST **N/A**

Relative:
Higher

SWEEPS UST:
Status: Not reported
Comp Number: 6714
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Actual:
290 ft.

CA FID UST:
Facility ID: 19056319
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 739 N MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

L68
North
< 1/8
0.101 mi.
531 ft.
JOHN PETTIT
1028 N ALAMEDA ST
LOS ANGELES, CA 90012
Site 2 of 3 in cluster L

CA FID UST **S101587005**
N/A

Relative:
Higher

CA FID UST:
Facility ID: 19054699
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147505311
Mail To: Not reported
Mailing Address: 1028 N ALAMEDA ST
Mailing Address 2: Not reported

Actual:
289 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOHN PETTIT (Continued)

S101587005

Mailing City,St,Zip: LOS ANGELES 90012
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

M69
WSW
< 1/8
0.105 mi.
552 ft.

201 N LOS ANGELES ST
LOS ANGELES, CA 90012

EDR Hist Cleaner 1015013299
N/A

Site 1 of 3 in cluster M

Relative:
Higher

EDR Historical Cleaners:

Actual:
295 ft.

Name: SLOANS DRY CLEANING
Year: 2004
Address: 201 N LOS ANGELES ST

Name: SLOANS DRY CLEANERS & LAUNDRY
Year: 2005
Address: 201 N LOS ANGELES ST

Name: ELITE CLEANERS
Year: 2006
Address: 201 N LOS ANGELES ST

Name: SLOANS DRY CLEANERS & LAUNDRY
Year: 2007
Address: 201 N LOS ANGELES ST

Name: SLOANS DRY CLEANERS & LAUNDRY
Year: 2009
Address: 201 N LOS ANGELES ST

Name: ELITE CLEANERS
Year: 2010
Address: 201 N LOS ANGELES ST

Name: ELITE CLEANERS
Year: 2011
Address: 201 N LOS ANGELES ST

Name: ELITE CLEANERS
Year: 2012
Address: 201 N LOS ANGELES ST

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

M70
WSW
< 1/8
0.105 mi.
552 ft.

LA LOS ANGELES HALL
201 N LOS ANGELES
LOS ANGELES, CA 90012

RCRA-SQG **1000290912**
FINDS **CAD981962756**

Site 2 of 3 in cluster M

Relative:
Higher

RCRA-SQG:

Date form received by agency: 03/09/1987

Facility name: LA LOS ANGELES HALL

Facility address: 201 N LOS ANGELES
 LOS ANGELES, CA 90012

EPA ID: CAD981962756

Mailing address: 200 N MAIN RM EIGHTH HUNDRED C
 LOS ANGELES, CA 90012

Contact: ENVIRONMENTAL MANAGER

Contact address: 201 N LOS ANGELES
 LOS ANGELES, CA 90012

Contact country: US

Contact telephone: (213) 485-7527

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LA
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212

Legal status: Municipal

Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212

Legal status: Municipal

Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA LOS ANGELES HALL (Continued)

1000290912

Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002756633

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M71
WSW
 < 1/8
 0.105 mi.
 552 ft.

CVS PHARMACY #9603
201 NORTH LOS ANGELES STREET
LOS ANGELES, CA 90012

RCRA-LQG 1016140131
CAR000237461

Site 3 of 3 in cluster M

Relative:
Higher

RCRA-LQG:

Date form received by agency: 08/30/2016

Facility name: CVS PHARMACY #9603

Facility address: 201 NORTH LOS ANGELES STREET
 LOS ANGELES, CA 90012

EPA ID: CAR000237461

Mailing address: CVS DR
 MAIL DROP 23062A

WOONSOCKET, RI 02895

Contact: NICOLE WILKINSON

Contact address: CVS DR MAIL CODE 2340
 WOONSOCKET, RI 02895

Contact country: US

Contact telephone: (401) 770-7132

Contact email: NICOLE.WILKINSON@CVSHEALTH.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9603 (Continued)

1016140131

Owner/Operator Summary:

Owner/operator name: GARFIELD BEACH CVS, L.L.C.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES DEPARTMENT OF GENERA
Owner/operator address: E FIRST ST RM 404
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/12/1977
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES DEPT OF GEN SVCS
Owner/operator address: 111 E 1ST RM 404
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: 213-928-9555
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/12/1977
Owner/Op end date: Not reported

Owner/operator name: GARFIELD BEACH CVS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9603 (Continued)

1016140131

Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 214
. Waste name: 214

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U205
. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Historical Generators:

Date form received by agency: 03/27/2013
Site name: CVS PHARMACY NO 9603
Classification: Large Quantity Generator

. Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9603 (Continued)

1016140131

- . Waste name: IGNITABLE WASTE
 - . Waste code: D002
 - . Waste name: CORROSIVE WASTE
 - . Waste code: D009
 - . Waste name: MERCURY
 - . Waste code: P001
 - . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
 - . Waste code: P042
 - . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE
 - . Waste code: P075
 - . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
 - . Waste code: P081
 - . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- Violation Status: No violations found

N72
South
< 1/8
0.107 mi.
565 ft.

RASMUSSEN A M
418 ALISO ST
LOS ANGELES, CA
Site 1 of 6 in cluster N

EDR Hist Auto **1009080800**
N/A

Relative:
Lower
Actual:
279 ft.

EDR Historical Auto Stations:
Name: RASMUSSEN A M
Year: 1933
Type: GASOLINE AND OIL SERVICE STATIONS

O73
West
< 1/8
0.109 mi.
574 ft.

HALL OF RECORDS/LACO F.M.D
320 N BROADWAY
LOS ANGELES, CA 90012
Site 1 of 6 in cluster O

SWEEPS UST **S101587922**
CA FID UST **N/A**

Relative:
Higher
Actual:
337 ft.

SWEEPS UST:
Status: Active
Comp Number: 5899
Number: 5
Board Of Equalization: Not reported
Referral Date: 04-21-93
Action Date: 04-21-93
Created Date: 02-29-88
Owner Tank Id: 5899
SWRCB Tank Id: 19-050-005899-000001
Tank Status: A
Capacity: 1000
Active Date: 03-10-93
Tank Use: M.V. FUEL

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HALL OF RECORDS/LACO F.M.D (Continued)

S101587922

STG: P
 Content: DIESEL
 Number Of Tanks: 1

CA FID UST:

Facility ID: 19056147
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2132672242
 Mail To: Not reported
 Mailing Address: 320 N BROADWAY
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

O74
West
< 1/8
0.110 mi.
579 ft.

SARKISCON SARKIS
335 N BROADWAY
LOS ANGELES, CA
Site 2 of 6 in cluster O

EDR Hist Cleaner 1009189759
N/A

Relative:
Higher
Actual:
340 ft.

EDR Historical Cleaners:
 Name: SARKISCON SARKIS
 Year: 1929
 Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

P75
SSW
< 1/8
0.116 mi.
614 ft.

MOBIL #18-HDH
520 ALAMEDA ST N
LOS ANGELES, CA 90012
Site 1 of 10 in cluster P

LUST S104406273
HIST CORTESE N/A

Relative:
Lower
Actual:
277 ft.

LUST:
 Region: STATE
 Global Id: T0603700519
 Latitude: 34.052861
 Longitude: -118.2379686
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/18/1996
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Case Worker: YR
 Local Agency: LOS ANGELES, CITY OF
 RB Case Number: 900120243
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HDH (Continued)

S104406273

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700519
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700519
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700519
Status: Open - Case Begin Date
Status Date: 10/22/1986

Global Id: T0603700519
Status: Open - Site Assessment
Status Date: 11/28/1988

Global Id: T0603700519
Status: Completed - Case Closed
Status Date: 07/18/1996

Regulatory Activities:

Global Id: T0603700519
Action Type: Other
Date: 10/22/1986
Action: Leak Stopped

Global Id: T0603700519
Action Type: Other
Date: 10/28/1986
Action: Leak Reported

Global Id: T0603700519
Action Type: Other
Date: 10/22/1986
Action: Leak Discovery

Region: STATE
Global Id: T0603700520
Latitude: 34.052861
Longitude: -118.2379686

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HDH (Continued)

S104406273

Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/30/2005
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: CET
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120243A
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700520
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700520
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700520
Status: Open - Case Begin Date
Status Date: 06/24/1999

Global Id: T0603700520
Status: Open - Site Assessment
Status Date: 06/24/1999

Global Id: T0603700520
Status: Open - Site Assessment
Status Date: 01/07/2004

Global Id: T0603700520
Status: Open - Site Assessment
Status Date: 01/12/2004

Global Id: T0603700520
Status: Completed - Case Closed
Status Date: 09/30/2005

Regulatory Activities:

Global Id: T0603700520

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HDH (Continued)

S104406273

Action Type:	RESPONSE
Date:	10/22/2004
Action:	Well Installation Report
Global Id:	T0603700520
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603700520
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700520
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700520
Action Type:	Other
Date:	07/07/1999
Action:	Leak Reported
Global Id:	T0603700520
Action Type:	ENFORCEMENT
Date:	10/08/2003
Action:	Staff Letter
Global Id:	T0603700520
Action Type:	ENFORCEMENT
Date:	09/30/2005
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603700520
Action Type:	ENFORCEMENT
Date:	09/30/2005
Action:	Closure/No Further Action Letter
Global Id:	T0603700520
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603700520
Action Type:	REMEDIATION
Date:	07/14/2003
Action:	Excavation
Global Id:	T0603700520
Action Type:	Other
Date:	06/24/1999
Action:	Leak Discovery
Global Id:	T0603700520
Action Type:	RESPONSE
Date:	01/12/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HDH (Continued)

S104406273

Action: Soil and Water Investigation Workplan

Global Id: T0603700520
Action Type: RESPONSE
Date: 11/10/2003
Action: Other Report / Document

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120243
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700519
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: COMMERCIAL
Enforcement Type: Not reported
Date Leak Discovered: 10/22/1986
Date Leak First Reported: 10/28/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 10/22/1986
Date Case Last Changed on Database: Not reported
Date the Case was Closed: 7/18/1996
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: KAKU, R. OLD CASE #000747
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3121.3778048022819520344293656
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/28/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MOBIL OIL CORPORATION

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOBIL #18-HDH (Continued)

S104406273

RP Address: 3225 GALLOW RD, RM #6W319, FAIRFAX, VA 22037-0001
 Program: LUST
 Lat/Long: 34.0527699 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600649-001GEN
 Summary: B11B FILE ALSO 23JULY96
 CLOSED BY DAB'S GROUP

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120243

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120243A

P76
SSW
< 1/8
0.116 mi.
614 ft.

RICHARD KAKU
520 N ALAMEDA AVE
LOS ANGELES, CA 90012

Site 2 of 10 in cluster P

HIST UST S118414632
N/A

Relative:
Lower

HIST UST:
 File Number: 00027CEA
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027CEA.pdf>

Actual:
277 ft.

Region: Not reported
 Facility ID: Not reported
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: Not reported
 Telephone: Not reported
 Owner Name: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Total Tanks: Not reported

Tank Num: Not reported
 Container Num: Not reported
 Year Installed: Not reported
 Tank Capacity: Not reported
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

Click here for Geo Tracker PDF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P77 ALAMEDA MOBIL SERVICE INC
SSW 520 N ALAMEDA ST
< 1/8 LOS ANGELES, CA 90012
0.116 mi.
614 ft. Site 3 of 10 in cluster P

SWEEPS UST S101582721
CA FID UST N/A
CHMIRS

Relative:
Lower

SWEEPS UST:
Status: Active
Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000001
Tank Status: A
Capacity: 8000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 6

Actual:
277 ft.

Status: Active
Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000002
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000003
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA MOBIL SERVICE INC (Continued)

S101582721

Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000004
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000005
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2336
Number: 1
Board Of Equalization: 44-012294
Referral Date: 03-09-93
Action Date: 03-09-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002336-000006
Tank Status: A
Capacity: 550
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19001184
Regulated By: UTNKA
Regulated ID: 00041708
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136234301

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA MOBIL SERVICE INC (Continued)

S101582721

Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:

OES Incident Number: 3-2720
OES notification: 05/27/2003
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2003
Agency: Veeder Root
Incident Date: 5/27/200312:00:00 AM
Admin Agency: Los Angeles City Fire Department
Amount: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALAMEDA MOBIL SERVICE INC (Continued)

S101582721

Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Station is be divested and results came back positive for contamination.

P78
SSW
 < 1/8
 0.116 mi.
 614 ft.

MOBIL #18-HDH
520 ALAMEDA ST N
LOS ANGELES, CA 90012

LUST S104406274
N/A

Site 4 of 10 in cluster P

Relative:
Lower

LUST REG 4:

Actual:
277 ft.

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900120243A
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	OT
Global ID:	T0603700520
W Global ID:	W0605100649
Staff:	CEC
Local Agency:	19050
Cross Street:	ALAMEDA/COMMERCIAL
Enforcement Type:	SEL
Date Leak Discovered:	6/24/1999
Date Leak First Reported:	7/7/1999
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	7/30/1999
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Other Source

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HDH (Continued)

S104406274

Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3121.3778048022819520344293656
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/7/2004
Pollution Characterization Began: 1/12/2004
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 5/10/2003
Hist Max MTBE Conc in Groundwater: 16.9
Hist Max MTBE Conc in Soil: 1.2
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: =
Soil Qualifier: =
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PATRICK TOELKES
RP Address: 3700 W. 190TH ST. TPT2
Program: LUST
Lat/Long: 34.0527699 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: SPILL BOX/PROBE FAILED. BOTH PROBLEMS HAVE BEEN CORRECTED.

P79 KAKU RICHARD T
SSW 520 N ALAMEDA
< 1/8 LOS ANGELES, CA 90012
0.116 mi.
614 ft.

EDR Hist Auto 1009121141
N/A

Site 5 of 10 in cluster P

Relative: EDR Historical Auto Stations:
Lower Name: ALAMEDA MOBIL SERVICE
Year: 1994
Actual: Type: Not reported
277 ft.
Name: HANS HARRY MOBIL
Year: 1999
Address: 520 N ALAMEDA ST
Name: ALAMEDA MOBIL SERVICE
Year: 2001
Address: 520 N ALAMEDA ST
Name: ALAMEDA MOBIL SERVICE
Year: 2002
Address: 520 N ALAMEDA ST
Name: HANS HARRY MOBIL
Year: 2003
Address: 520 N ALAMEDA ST

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

P80
SSW
< 1/8
0.116 mi.
614 ft.

RICHARD KAKU
520 N ALAMEDA ST
LOS ANGELES, CA 90012

Site 6 of 10 in cluster P

HIST UST **U001560536**
N/A

Relative:
Lower

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000039757
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2136234301
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0003

Actual:
277 ft.

Tank Num: 001
Container Num: 3
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

P81
SSW
< 1/8
0.116 mi.
614 ft.

EXXONMOBIL OIL CORPORATION NO 11252
520 N. ALAMEDA ST
LOS ANGELES, CA 90012

Site 7 of 10 in cluster P

RCRA-SQG **1008194481**
CAL000050514

Relative:
Lower

RCRA-SQG:

Date form received by agency: 03/07/2004
Facility name: EXXONMOBIL OIL CORPORATION NO 11252
Facility address: 520 N. ALAMEDA ST
LOS ANGELES, CA 900123406
EPA ID: CAL000050514
Mailing address: 12265 WEST BAYAUD AVE

Actual:
277 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBIL OIL CORPORATION NO 11252 (Continued)

1008194481

LAKEWOOD, CO 80228
Contact: JOHN HOOVER
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (800) 253-8054
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EXXONMOBIL OIL CORPORATION
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22937
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/30/2003
Owner/Op end date: Not reported

Owner/operator name: EXXONMOBIL OIL CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/30/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/07/2004
Site name: EXXONMOBIL OIL CORPORATION NO 11252

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXXONMOBIL OIL CORPORATION NO 11252 (Continued)

1008194481

Classification: Large Quantity Generator
 . Waste code: D001
 . Waste name: IGNITABLE WASTE
 Violation Status: No violations found

P82
SSW
 < 1/8
 0.116 mi.
 614 ft.

MOBIL SERVICE STATION HDH
520 N ALAMEDA ST
LOS ANGELES, CA 90012

UST U003781709
N/A

Site 8 of 10 in cluster P

Relative:
Lower

UST:
 Facility ID: 25487
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.05295
 Longitude: -118.23797

Actual:
277 ft.

P83
SSW
 < 1/8
 0.116 mi.
 614 ft.

RICHARDS FRIENDLY SERVICE
520 N ALAMEDA ST
LOS ANGELES, CA 90012

RCRA-SQG 1000239802
HIST UST CAD981577562
FINDS
ECHO

Site 9 of 10 in cluster P

Relative:
Lower

RCRA-SQG:
 Date form received by agency: 09/01/1996
 Facility name: RICHARDS FRIENDLY SERVICE
 Facility address: 520 N ALAMEDA ST
 LOS ANGELES, CA 90012
 EPA ID: CAD981577562
 Mailing address: N ALAMEDA ST
 LOS ANGELES, CA 90012
 Contact: Not reported
 Contact address: Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
277 ft.

Owner/Operator Summary:

Owner/operator name: RICHARD KAKY
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHARDS FRIENDLY SERVICE (Continued)

1000239802

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HIST UST:

File Number: 00027F9C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027F9C.pdf>
Region: STATE
Facility ID: 00000041708
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RICHARD KAKU
Telephone: 2136234301
Owner Name: RICHARD KAKU
Owner Address: 520 N. ALAMEDA ST
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RICHARDS FRIENDLY SERVICE (Continued)

1000239802

Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002720850

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000239802
Registry ID: 110002720850
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002720850

N84
South
< 1/8
0.121 mi.
640 ft.

COMMERCIAL STREET TRAFFIC YARD - TEMP
430 COMMERCIAL STREET
LOS ANGELES, CA 90012
Site 2 of 6 in cluster N

RCRA-LQG **1012175512**
CAC002623676

Relative:
Lower

RCRA-LQG:

Date form received by agency: 06/25/2007
Facility name: COMMERCIAL STREET TRAFFIC YARD - TEMP
Facility address: 430 COMMERCIAL STREET
LOS ANGELES, CA 90012
EPA ID: CAC002623676
Mailing address: 111 E. FIRST STREET, RM 600
LOS ANGELES, CA 90012
Contact: HELGA E MAXWELL
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (213) 978-3791
Contact email: HELGA.MAXWELL@LACITY.ORG
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

Actual:
278 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERCIAL STREET TRAFFIC YARD - TEMP (Continued)

1012175512

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: DEPT OF TRANSPORTATION - CITY OF
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1957
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: 111 E. FIRST STREET, RM 600
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1957
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

N85 **DEPT OF TRANSPORTATION**
South **430 COMMERCIAL ST**
< 1/8 **LOS ANGELES, CA 90012**
0.121 mi.
640 ft. **Site 3 of 6 in cluster N**

CA FID UST **S101587839**
N/A

Relative: CA FID UST:
Lower Facility ID: 19056053
 Regulated By: UTKNA
Actual: Regulated ID: Not reported
278 ft. Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2134855103
 Mail To: Not reported
 Mailing Address: 430 COMMERCIAL ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

Q86 **STEVERS WM**
NW **606 NEW HIGH ST**
< 1/8 **LOS ANGELES, CA**
0.122 mi.
645 ft. **Site 1 of 3 in cluster Q**

EDR Hist Auto **1009078053**
N/A

Relative: EDR Historical Auto Stations:
Higher Name: STEVER'S WM
 Year: 1929
Actual: Type: AUTOMOBILE REPAIRING AND SERVICE STATIONS
304 ft.

Q87 **BELLEVUE AUTO SERVICE CO**
NW **600 NEW HIGH ST**
< 1/8 **LOS ANGELES, CA**
0.122 mi.
645 ft. **Site 2 of 3 in cluster Q**

EDR Hist Auto **1009076149**
N/A

Relative: EDR Historical Auto Stations:
Higher Name: BELLEVUE AUTO SERVICE CO
 Year: 1924
Actual: Type: AUTOMOBILE REPAIRING
303 ft.
 Name: MIER M C
 Year: 1933
 Type: AUTOMOBILE REPAIRING

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
--	------	-------------	--------------------------------

L88 North < 1/8 0.122 mi. 646 ft.	FIRST CENTRAL BANK 686 N SPRING ST LOS ANGELES, CA 90012 Site 3 of 3 in cluster L	UST	U003780866 N/A
--	---	-----	-------------------

Relative: Higher	UST: Facility ID:	24437 LOS ANGELES, CITY OF
Actual: 298 ft.	Permitting Agency: Latitude: Longitude:	34.060899 -118.236377

R89 West 1/8-1/4 0.129 mi. 681 ft.	LOS ANGELES COUNTY HALL OF JUSTICE 211 W TEMPLE LOS ANGELES, CA 90012 Site 1 of 4 in cluster R	RCRA NonGen / NLR FINDS ECHO	1000102050 CAD980675847
---	--	------------------------------------	----------------------------

Relative: Higher	RCRA NonGen / NLR: Date form received by agency:	01/13/1983 LOS ANGELES COUNTY HALL OF JUSTICE
Actual: 328 ft.	Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	211 W TEMPLE LOS ANGELES, CA 90012 CAD980675847 170 N FAIR OAKS PASADENA, CA 91103 ENVIRONMENTAL MANAGER 211 W TEMPLE LOS ANGELES, CA 90012 US (213) 578-2827 Not reported 09 Non-Generator Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LOS ANGELES COUNTY
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:
 U.S. importer of hazardous waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES COUNTY HALL OF JUSTICE (Continued)

1000102050

Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: Yes
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002670510

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000102050
 Registry ID: 110002670510
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002670510

90
SSW
1/8-1/4
0.134 mi.
709 ft.

CITY OF LOS ANGELES - FED. BLDG. ANNEX
255 TEMPLE ST
LOS ANGELES, CA 90012

SLIC S103966817
N/A

Relative:
Lower

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 06/16/1965
 Global Id: SLT4305856
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 34.055744
 Longitude: -118.242775
 Case Type: Cleanup Program Site
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 0097
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Actual:
280 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF LOS ANGELES - FED. BLDG. ANNEX (Continued)

S103966817

[Click here to access the California GeoTracker records for this facility:](#)

N91
SSE
 1/8-1/4
 0.135 mi.
 714 ft.

LA COMMERCIAL ST TRAFFIC YARD
444 COMMERCIAL ST
LOS ANGELES, CA 90012

RCRA-SQG 1000179572
FINDS CAD981988330
ECHO

Site 4 of 6 in cluster N

Relative:
Lower

RCRA-SQG:

Actual:
280 ft.

Date form received by agency: 03/25/1987
 Facility name: LA COMMERCIAL ST TRAFFIC YARD
 Facility address: 444 COMMERCIAL ST
 LOS ANGELES, CA 90012
 EPA ID: CAD981988330
 Mailing address: 200 N MAIN RM EIGHTH HUNDREDCH
 LOS ANGELES, CA 90012
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 444 COMMERCIAL ST
 LOS ANGELES, CA 90012
 Contact country: US
 Contact telephone: (213) 485-7527
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Municipal
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Municipal
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA COMMERCIAL ST TRAFFIC YARD (Continued)

1000179572

Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002767300

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000179572
 Registry ID: 110002767300
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002767300

S92
SW
1/8-1/4
0.136 mi.
718 ft.

US GOVT, FED BLDG GSA
300 N LOS ANGELES ST
LOS ANGELES, CA 90012

SWEEPS UST **S101617140**
CA FID UST **N/A**
EMI

Site 1 of 3 in cluster S

Relative:
Higher

SWEEPS UST:
 Status: Not reported
 Comp Number: 3763

Actual:
285 ft.

Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: 0

Status: Not reported
 Comp Number: 3763

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GOVT, FED BLDG GSA (Continued)

S101617140

Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19004898
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136883559
Mail To: Not reported
Mailing Address: 300 N LOS ANGELES ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 17328
Air District Name: SC
SIC Code: 6512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
 EPA ID Number

S93 **FEDERAL BUILDING**
SW **300 N LOS ANGELES ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.136 mi.
718 ft. **Site 2 of 3 in cluster S**

HIST UST **U001560510**
N/A

Relative:
Higher

HIST UST:

File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000063395
 Facility Type: Other
 Other Type: OFFICE BUILDING
 Contact Name: JAMES E. HENDRICKS
 Telephone: 2136883559
 Owner Name: U.S. GOVERNMENT, GENERAL SERVI
 Owner Address: 300 NORTH LOS ANGELES STREET
 Owner City,St,Zip: LOS ANGELES, CA 90012
 Total Tanks: 0006

Actual:
285 ft.

Tank Num: 001
 Container Num: 6
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 001
 Container Num: T-1-1
 Year Installed: 1964
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 5
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: T-1-2
 Year Installed: 1964
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 4
 Year Installed: 1962

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FEDERAL BUILDING (Continued)

U001560510

Tank Capacity: 00000995
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 004
 Container Num: 3
 Year Installed: 1962
 Tank Capacity: 00003500
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 005
 Container Num: 2
 Year Installed: 1962
 Tank Capacity: 00015000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 006
 Container Num: 1
 Year Installed: 1962
 Tank Capacity: 00015000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: None

**S94
 SW
 1/8-1/4
 0.136 mi.
 718 ft.**

**1X FEDERAL BUILDING
 300 N LOS ANGELES ST
 LOS ANGELES, CA 90201**

**HIST UST S112836855
 HAZNET N/A**

Site 3 of 3 in cluster S

**Relative:
 Higher**

HIST UST:
 File Number: 00026AAD
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026AAD.pdf>
 Region: Not reported
 Facility ID: Not reported
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: Not reported
 Telephone: Not reported
 Owner Name: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Total Tanks: Not reported

**Actual:
 285 ft.**

Tank Num: Not reported
 Container Num: Not reported
 Year Installed: Not reported
 Tank Capacity: Not reported
 Tank Used for: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1X FEDERAL BUILDING (Continued)

S112836855

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HAZNET:

envid: S112836855
Year: 1993
GEPaid: CAC000035238
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 300 N LOS ANGELES ST #2033
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 1.05350000000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112836855
Year: 1993
GEPaid: CAC000035238
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 300 N LOS ANGELES ST #2033
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 5.89960000000
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N95
South
1/8-1/4
0.137 mi.
723 ft.

CENTRAL DISTRICT HQ
410 E DUCOMMUN ST
LOS ANGELES, CA 90012

Site 5 of 6 in cluster N

SWEEPS UST
HIST UST
CA FID UST

S101617135
N/A

Relative:
Lower

SWEEPS UST:
Status: Active
Comp Number: 6104
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-12-93
Action Date: 05-12-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Actual:
277 ft.

HIST UST:
File Number: 000275D7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000275D7.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19028047
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134817962
Mail To: Not reported
Mailing Address: 410 E DUCOMMUN ST

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL DISTRICT HQ (Continued)

S101617135

Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

N96
South
1/8-1/4
0.137 mi.
723 ft.

CENTRAL DISTRICT HQ
410 DUCOMMUN ST
LOS ANGELES, CA 90012
Site 6 of 6 in cluster N

UST U001560501
HIST UST N/A
EMI

Relative:
Lower

UST:
 Facility ID: 24066
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.05276
 Longitude: -118.23758

Actual:
277 ft.

HIST UST:

File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000064804
 Facility Type: Other
 Other Type: WATER/ELECTRIC UTILI
 Contact Name: IRVING WILLNER
 Telephone: 2134813668
 Owner Name: DEPARTMENT OF WATER AND POWER
 Owner Address: 111 N. HOPE STREET
 Owner City,St,Zip: LOS ANGELES, CA 90012
 Total Tanks: 0013

Tank Num: 001
 Container Num: 0029/#1 GA
 Year Installed: 1974
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 0030/#2 GA
 Year Installed: 1974
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, None

Tank Num: 003
 Container Num: 0031/#3 DI
 Year Installed: 1974

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT HQ (Continued)

U001560501

Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 004
Container Num: 0032/#4 US
Year Installed: 1953
Tank Capacity: 00001560
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 0033/#5 US
Year Installed: 1953
Tank Capacity: 00001560
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 006
Container Num: 0034/#6 ST
Year Installed: 1947
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 007
Container Num: 0035/#7 WA
Year Installed: 1947
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 008
Container Num: 0036/#8 GA
Year Installed: 1947
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: 0037/STAND
Year Installed: 1958
Tank Capacity: 00000150
Tank Used for: PRODUCT
Type of Fuel: DIESEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT HQ (Continued)

U001560501

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 010
Container Num: 0038/SUMP
Year Installed: 1925
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 011
Container Num: 0039/SUMP
Year Installed: 1925
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None, 10

Tank Num: 012
Container Num: 0040/SUMP
Year Installed: 1925
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None, 10

Tank Num: 013
Container Num: 0041/SUMP
Year Installed: 1925
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT HQ (Continued)

U001560501

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT HQ (Continued)

U001560501

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 68326
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL DISTRICT HQ (Continued)

U001560501

NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

97
ENE
1/8-1/4
0.138 mi.
728 ft.

LA TO PASADENA METRO BLUE LINE CONSTRUCTION AUTHOR
LOS ANGELES, CA

SLIC S106568507
N/A

Relative:
Higher

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 03/07/2012
 Global Id: SL204EG2409
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 34.0569260774104
 Longitude: -118.234090805054
 Case Type: Cleanup Program Site
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 0904A
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Actual:
282 ft.

[Click here to access the California GeoTracker records for this facility:](#)

098
West
1/8-1/4
0.145 mi.
766 ft.

CENTRAL HEATING PLANT/LA CO. FMD
301 N BROADWAY
LOS ANGELES, CA 90012
Site 3 of 6 in cluster O

UST U003780796
N/A

Relative:
Higher

UST:
 Facility ID: 24353
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.057873
 Longitude: -118.242182

Actual:
351 ft.

099
West
1/8-1/4
0.145 mi.
766 ft.

LA COUNTY - CNTL HTG/REFRIG PLANT
301 N BROADWAY
LOS ANGELES, CA 90012
Site 4 of 6 in cluster O

AST A100421592
N/A

Relative:
Higher

AST:
 Certified Unified Program Agencies: Not reported
 Owner: LOS ANGELES COUNTY
 Total Gallons: Not reported
 CERSID: 10247158
 Facility ID: Not reported

Actual:
351 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA COUNTY - CNTL HTG/REFRIG PLANT (Continued)

A100421592

Business Name: LA COUNTY - CNTL HTG/REFRIG PLANT
 Phone: (213) 974-9503
 Fax: (213) 680-9035
 Mailing Address: 301 N BROADWAY
 Mailing Address City: LOS ANGELES
 Mailing Address State: CA
 Mailing Address Zip Code: 90012
 Operator Name: Los Angeles County
 Operator Phone: (213) 974-9503
 Owner Phone: (213) 974-9503
 Owner Mail Address: 500 W. Temple St
 Owner State: CA
 Owner Zip Code: 90012
 Owner Country: United States
 Property Owner Name: L.A. COUNTY
 Property Owner Phone: Not reported
 Property Owner Mailing Address: 500 W. Temple St
 Property Owner City: Los Angeles
 Property Owner Stat : CA
 Property Owner Zip Code: 90012
 Property Owner Country: United States
 EPAID: CAL000163402

O100
West
1/8-1/4
0.145 mi.
766 ft.

FACILITY 10723-2
301 BROADWAY
LOS ANGELES, CA 90012
Site 5 of 6 in cluster O

HIST CORTESE **S105024588**
N/A

Relative:
Higher

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 3058

Actual:
351 ft.

O101
West
1/8-1/4
0.145 mi.
766 ft.

LA CO., INTERNAL SERVICE DEPT
301 N BROADWAY
LOS ANGELES, CA 90012
Site 6 of 6 in cluster O

SWEEPS UST **S101583837**
CA FID UST **N/A**
EMI
LOS ANGELES CO. HMS

Relative:
Higher

SWEEPS UST:
 Status: Active
 Comp Number: 5903
 Number: 5
 Board Of Equalization: Not reported
 Referral Date: 04-21-93
 Action Date: 04-21-93
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported

Actual:
351 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19006677
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132672242
Mail To: Not reported
Mailing Address: 301 N BROADWAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 11
NOX - Oxides of Nitrogen Tons/Yr: 39
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smlr Tons/Yr:2

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 40
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 14
Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 13
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 13
Part. Matter 10 Micrometers and Smlr Tons/Yr:13

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 13
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 13
Part. Matter 10 Micrometers and Smlr Tons/Yr:13

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 14
NOX - Oxides of Nitrogen Tons/Yr: 30
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 14
Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 14
NOX - Oxides of Nitrogen Tons/Yr: 30
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 14
Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Year: 1999

County Code: 19

Air Basin: SC

Facility ID: 550

Air District Name: SC

SIC Code: 9199

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported

Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 2

Reactive Organic Gases Tons/Yr: 0

Carbon Monoxide Emissions Tons/Yr: 14

NOX - Oxides of Nitrogen Tons/Yr: 30

SOX - Oxides of Sulphur Tons/Yr: 1

Particulate Matter Tons/Yr: 14

Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Year: 2000

County Code: 19

Air Basin: SC

Facility ID: 550

Air District Name: SC

SIC Code: 9199

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported

Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 2

Reactive Organic Gases Tons/Yr: 0

Carbon Monoxide Emissions Tons/Yr: 14

NOX - Oxides of Nitrogen Tons/Yr: 30

SOX - Oxides of Sulphur Tons/Yr: 1

Particulate Matter Tons/Yr: 14

Part. Matter 10 Micrometers and Smlr Tons/Yr:14

Year: 2001

County Code: 19

Air Basin: SC

Facility ID: 550

Air District Name: SC

SIC Code: 9199

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Y

Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 4

Reactive Organic Gases Tons/Yr: 0

Carbon Monoxide Emissions Tons/Yr: 14

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

NOX - Oxides of Nitrogen Tons/Yr: 30
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 13
Part. Matter 10 Micrometers and Smlr Tons/Yr:13

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 13
NOX - Oxides of Nitrogen Tons/Yr: 25
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 12
Part. Matter 10 Micrometers and Smlr Tons/Yr:11

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 13
NOX - Oxides of Nitrogen Tons/Yr: 25
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 12
Part. Matter 10 Micrometers and Smlr Tons/Yr:11

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.14806
Reactive Organic Gases Tons/Yr: 0.37
Carbon Monoxide Emissions Tons/Yr: 13.037
NOX - Oxides of Nitrogen Tons/Yr: 24.706
SOX - Oxides of Sulphur Tons/Yr: 0.49438
Particulate Matter Tons/Yr: 11.5871
Part. Matter 10 Micrometers and Smlr Tons/Yr:11.46

Year: 2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.093
Reactive Organic Gases Tons/Yr: .2286806
Carbon Monoxide Emissions Tons/Yr: 8.74
NOX - Oxides of Nitrogen Tons/Yr: 30.3
SOX - Oxides of Sulphur Tons/Yr: 3.2124
Particulate Matter Tons/Yr: 1.947
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.93626

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20.47201436261242817
Reactive Organic Gases Tons/Yr: 2.049
Carbon Monoxide Emissions Tons/Yr: 11.722
NOX - Oxides of Nitrogen Tons/Yr: 28.09
SOX - Oxides of Sulphur Tons/Yr: 2.979
Particulate Matter Tons/Yr: 9.148
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.181826

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20.47201436261242817
Reactive Organic Gases Tons/Yr: 2.049
Carbon Monoxide Emissions Tons/Yr: 11.722
NOX - Oxides of Nitrogen Tons/Yr: 28.09
SOX - Oxides of Sulphur Tons/Yr: 2.979
Particulate Matter Tons/Yr: 9.148
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.181826

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.41051717221555942
Reactive Organic Gases Tons/Yr: 6.97
Carbon Monoxide Emissions Tons/Yr: 12.23
NOX - Oxides of Nitrogen Tons/Yr: 27.89
SOX - Oxides of Sulphur Tons/Yr: 2.81
Particulate Matter Tons/Yr: 9.41
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.28548

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.186049524891398
Reactive Organic Gases Tons/Yr: 6.0199999999999996
Carbon Monoxide Emissions Tons/Yr: 13.16
NOX - Oxides of Nitrogen Tons/Yr: 26.539999999999999
SOX - Oxides of Sulphur Tons/Yr: 2.7599999999999998
Particulate Matter Tons/Yr: 9.0999999999999996
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.0662599999999998

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.293001138763699
Reactive Organic Gases Tons/Yr: 2.0031699999999999
Carbon Monoxide Emissions Tons/Yr: 11.028269999999999
NOX - Oxides of Nitrogen Tons/Yr: 31.366990000000001
SOX - Oxides of Sulphur Tons/Yr: 2.79054
Particulate Matter Tons/Yr: 8.6349699999999991
Part. Matter 10 Micrometers and Smlr Tons/Yr:7.7270118400000003

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.758593307
Reactive Organic Gases Tons/Yr: 2.06754
Carbon Monoxide Emissions Tons/Yr: 10.65584
NOX - Oxides of Nitrogen Tons/Yr: 14.67499

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

SOX - Oxides of Sulphur Tons/Yr: 2.84892
Particulate Matter Tons/Yr: 8.90452
Part. Matter 10 Micrometers and Smlr Tons/Yr:7.96983994

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21.128537998
Reactive Organic Gases Tons/Yr: 2.19959
Carbon Monoxide Emissions Tons/Yr: 12.85221
NOX - Oxides of Nitrogen Tons/Yr: 12.81249
SOX - Oxides of Sulphur Tons/Yr: 3.05143
Particulate Matter Tons/Yr: 11.08011
Part. Matter 10 Micrometers and Smlr Tons/Yr:9.58567218

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0097118389655
Reactive Organic Gases Tons/Yr: 0.000997976
Carbon Monoxide Emissions Tons/Yr: 0.00811
NOX - Oxides of Nitrogen Tons/Yr: 0.00858
SOX - Oxides of Sulphur Tons/Yr: 0.00144
Particulate Matter Tons/Yr: 0.00534
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.004619806

Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 550
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.489749854
Reactive Organic Gases Tons/Yr: 2.00153
Carbon Monoxide Emissions Tons/Yr: 7.39295
NOX - Oxides of Nitrogen Tons/Yr: 10.92889
SOX - Oxides of Sulphur Tons/Yr: 2.88668
Particulate Matter Tons/Yr: 9.44467
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.34086812

LOS ANGELES CO. HMS:

Region: LA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., INTERNAL SERVICE DEPT (Continued)

S101583837

Permit Category: Not reported
Facility Id: 012450-012598
Facility Type: Not reported
Facility Status: OPEN
Area: 3F
Permit Number: Not reported
Permit Status: Not reported

P102
SSW
1/8-1/4
0.148 mi.
784 ft.

VETERANS ADMINISTRATION
461 N ALAMEDA ST
LOS ANGELES, CA 90012

SWEEPS UST S101586920
CA FID UST N/A

Site 10 of 10 in cluster P

Relative:
Lower

SWEEPS UST:
Status: Not reported
Comp Number: 7364
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

Actual:
275 ft.

CA FID UST:
Facility ID: 19054606
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 461 N ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

R103 **LA COUNTY CRIMINAL COURTS-INTERNAL** **AST** **A100421594**
WSW **210 W TEMPLE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.152 mi.
805 ft. **Site 2 of 4 in cluster R**

Relative: **AST:**
Higher Certified Unified Program Agencies: Not reported
 Owner: Judicial Council of California
Actual: Total Gallons: Not reported
327 ft. CERSID: 10245181
 Facility ID: Not reported
 Business Name: Judicial Council of California (JCC)
 Phone: 916-263-7992
 Fax: 916-263-2342
 Mailing Address: 2860 Gateway Oaks Drive Suite 400
 Mailing Address City: Sacramento
 Mailing Address State: CA
 Mailing Address Zip Code: 95833
 Operator Name: Judicial Council of California
 Operator Phone: 916-263-7992
 Owner Phone: 916-263-7992
 Owner Mail Address: 2260 Gateway Oaks Drive, Suite 400
 Owner State: CA
 Owner Zip Code: 95833
 Owner Country: United States
 Property Owner Name: Judicial Council of California
 Property Owner Phone: 916-263-7992
 Property Owner Mailing Address: 2860 Gateway Oaks Drive Suite 400
 Property Owner City: Sacramento
 Property Owner Stat : CA
 Property Owner Zip Code: 95833
 Property Owner Country: United States
 EPAID: Not reported

Q104 **CATHAY MANOR** **SWEEPS UST** **S101584928**
NW **600 N BROADWAY** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.161 mi.
849 ft. **Site 3 of 3 in cluster Q**

Relative: **SWEEPS UST:**
Higher Status: Not reported
 Comp Number: 6459
Actual: Number: Not reported
309 ft. Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CATHAY MANOR (Continued)

S101584928

CA FID UST:
Facility ID: 19016997
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 600 N BROADWAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

R105
WSW
1/8-1/4
0.167 mi.
881 ft.

CRIMINAL COURTS BLDG
210 W TEMPLE ST
LOS ANGELES, CA 90063
Site 3 of 4 in cluster R

HIST UST **U001562245**
N/A

Relative:
Higher

Actual:
324 ft.

HIST UST:
File Number: 0002771B
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002771B.pdf>
Region: STATE
Facility ID: 0000020714
Facility Type: Other
Other Type: COURT
Contact Name: L.A. COUNTY MECHANICAL DEPARTM
Telephone: 2132672242
Owner Name: LOS ANGELES COUNTY MECHANICAL
Owner Address: 1100 N. EASTERN AVE.
Owner City,St,Zip: LOS ANGELES, CA 90063
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00005126
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R106 COUNTY OF L.A.
WSW 210 W TEMPLE ST
1/8-1/4 LOS ANGELES, CA 90063
0.167 mi.
881 ft. Site 4 of 4 in cluster R

SWEEPS UST S101585026
CA FID UST N/A
LOS ANGELES CO. HMS

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 1457
Number: 4
Board Of Equalization: 44-011798
Referral Date: 03-05-93
Action Date: 03-16-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001457-000001
Tank Status: A
Capacity: 5126
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

Actual:
324 ft.

CA FID UST:
Facility ID: 19018457
Regulated By: UTNKA
Regulated ID: 00020714
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132672242
Mail To: Not reported
Mailing Address: 1100 N EASTERN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900630000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 012453-012601
Facility Type: Not reported
Facility Status: OPEN
Area: 3F
Permit Number: Not reported
Permit Status: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

T107 **S/P CO**
SSE **501 COMMERCIAL ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.174 mi.
917 ft. **Site 1 of 4 in cluster T**

SWEEPS UST **S101583460**
CA FID UST **N/A**

Relative: SWEEPS UST:
Lower Status: Not reported
 Comp Number: 5849
Actual: Number: Not reported
280 ft. Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

CA FID UST:
 Facility ID: 19003826
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2130000000
 Mail To: Not reported
 Mailing Address: 501 COMMERCIAL ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

T108 **CALTRANS - COMMERCIAL STREET PROPERTY**
SSE **501 E. COMMERCIAL STREET**
1/8-1/4 **LOS ANGELES, CA 90012**
0.174 mi.
917 ft. **Site 2 of 4 in cluster T**

SLIC **S106485908**
N/A

Relative: SLIC:
Lower Region: STATE
 Facility Status: **Open - Inactive**
Actual: Status Date: 01/28/2016
280 ft. Global Id: SLT43720718
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 34.053419
 Longitude: -118.23472
 Case Type: Cleanup Program Site

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CALTRANS - COMMERCIAL STREET PROPERTY (Continued)

S106485908

Case Worker: COR
 Local Agency: Not reported
 RB Case Number: 1088
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Under Investigation
 Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Vinyl chloride, Xylene, Heating Oil / Fuel Oil, Other Petroleum, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: The site was included the street addresses 501 E. Commercial Street, 531 E. Commercial Street, and 516 Aliso Street in Los Angeles. The eastern portion of the site was occupied from approximately earlier than 1929 by the Maier Brewing Company (MBC) brewery. The areas within the brewery included a blacksmith and repair shop, copper shop, kettle and mash tubs, and a beer cellar. The western third of the site was occupied by a wire and metal works shop, truck storage and shops. In addition, an auto painting facility (existing between 1906 and 1929) was identified on this portion of the site. In 1965, the western portion of the site (former parking lot) was transformed into a beer bottling and warehouse facility. By 1957, the brewery structures occupied the majority of the site. The brewery was demolished before the removal of seven underground storage tanks (USTs) in 1988. An asphalt paved parking lot occupied the site after the brewery was demolished. The documentation is not clear with regard to the precise location of each former UST. However, the USTs included the 3,000-gallon fuel oil tank (Tank No. 4), the 550-gallon waste oil tank (Tanks No. 5), and the 6,000-gallon fuel oil tanks (Tanks No. 6 and No. 7). Tanks No. 1 (10,000-gallon), No. 2 (10,000-gallon), and No. 3 (3,000-gallon) stored barley. Depth to groundwater has ranged from 32 to 40 feet below ground surface (bgs). Groundwater flows south to southwest. The site was part of the realignment of ramps which allows ingress and egress to State Route 101. The properties at 501 and 531 E. Commercial Street are currently used by State Route 101 ramp. The property at 516 Aliso Street was graded, is an undeveloped land, and is currently not used by State Route 101 ramp.

[Click here to access the California GeoTracker records for this facility:](#)

T109
SSE
1/8-1/4
0.174 mi.
917 ft.

CALTRANS - COMMERCIAL STREET PROPERTY
501 COMMERCIAL
LOS ANGELES, CA 90012
Site 3 of 4 in cluster T

SLIC S105024596
HIST CORTESE N/A

Relative:
Lower

SLIC REG 4:
 Region: 4
 Facility Status: Site Assessment
 SLIC: 1088
 Substance: TPH
 Staff: SSH

Actual:
280 ft.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120270

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

T110 **PROPERTY**
SSE **510 E COMMERCIAL ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.185 mi.
976 ft. **Site 4 of 4 in cluster T**

HIST UST **U001560534**
 N/A

Relative:
Lower

HIST UST:

File Number: 00028997
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028997.pdf>
Region: STATE
Facility ID: 00000005491
Facility Type: Other
Other Type: EMPTY
Contact Name: CHRISTOPHER L. RICKS
Telephone: 8187045900
Owner Name: 510 COM PARTNERSHIP_____
Owner Address: 5855 TOPANGA CANYON BLVD.S500
Owner City,St,Zip: WOODLAND HILLS, CA 91367
Total Tanks: 0000

Actual:
279 ft.

Tank Num: 001
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

U111 **VA TEMPLE AMBULATORY CARE CENTER**
SSW **351 E TEMPLE ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.187 mi.
988 ft. **Site 1 of 2 in cluster U**

AST **A100425709**
 N/A

Relative:
Lower

AST:

Certified Unified Program Agencies: Not reported
Owner: VA Greater Los Angeles Healthcare System
Total Gallons: Not reported
CERSID: 10197046
Facility ID: Not reported
Business Name: WEST LOS ANGELES VETERAN'S ADMIN GLAHS
Phone: 310-478-3711
Fax: Not reported
Mailing Address: 11301 Wilshire Blvd Bldg 218 Rm 308
Mailing Address City: Los Angeles
Mailing Address State: CA
Mailing Address Zip Code: 90073
Operator Name: VA Greater Los Angeles Healthcare System

Actual:
275 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA TEMPLE AMBULATORY CARE CENTER (Continued)

A100425709

Operator Phone: 310-478-3711
Owner Phone: 310-478-3711
Owner Mail Address: 11301 Wilshire Blvd, Bldg 218, Rm 308
Owner State: CA
Owner Zip Code: 90073
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CA9360090618

U112
SSW
1/8-1/4
0.187 mi.
988 ft.

USVA OUTPATIENT CLINIC
351 E TEMPLE
LOS ANGELES, CA 90012

RCRA-SQG **1000820626**
FINDS **CA9360090618**
ECHO

Site 2 of 2 in cluster U

Relative:
Lower

RCRA-SQG:

Date form received by agency: 10/20/1992
Facility name: USVA OUTPATIENT CLINIC
Facility address: 351 E TEMPLE
LOS ANGELES, CA 90012
EPA ID: CA9360090618
Mailing address: E TEMPLE
LOS ANGELES, CA 90012
Contact: LORI PERSON
Contact address: 351 E TEMPLE
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: (213) 894-5289
Contact email: Not reported
EPA Region: 09
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
275 ft.

Owner/Operator Summary:

Owner/operator name: USVA OUTPATIENT CLINIC
Owner/operator address: 351 E TEMPLE
LOS ANGELES, CA 90012
Owner/operator country: Not reported
Owner/operator telephone: (213) 894-5289
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USVA OUTPATIENT CLINIC (Continued)

1000820626

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/08/2012
Date achieved compliance: 10/04/2012
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/13/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/08/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/04/2012
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110002626025

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USVA OUTPATIENT CLINIC (Continued)

1000820626

information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ECHO:

Envid: 1000820626
 Registry ID: 110002626025
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002626025

**113
 SSW
 1/8-1/4
 0.188 mi.
 990 ft.**

**PARKER CENTER
 151 JUDGE JOHN AISO
 LOS ANGELES, CA 90012**

**LUST S106116238
 N/A**

**Relative:
 Higher**

LUST:

**Actual:
 282 ft.**

Region: STATE
 Global Id: T0603700531
 Latitude: 34.0496911
 Longitude: -118.241266
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/17/2013
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Case Worker: AT
 Local Agency: LOS ANGELES, CITY OF
 RB Case Number: 900120352
 LOC Case Number: 2220
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700531
 Contact Type: Regional Board Caseworker
 Contact Name: ARMAN TOUMARI
 Organization Name: LOS ANGELES RWQCB (REGION 4)
 Address: 320 WEST 4TH STREET, SUITE 200
 City: LOS ANGELES
 Email: atoumari@waterboards.ca.gov
 Phone Number: 2135766708

Global Id: T0603700531
 Contact Type: Local Agency Caseworker
 Contact Name: TBD
 Organization Name: LOS ANGELES, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER CENTER (Continued)

S106116238

Address: 200 N. MAIN ST. RM. 970
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826528

Status History:

Global Id: T0603700531
Status: Open - Case Begin Date
Status Date: 06/22/1990

Global Id: T0603700531
Status: Open - Site Assessment
Status Date: 07/02/1990

Global Id: T0603700531
Status: Open - Eligible for Closure
Status Date: 11/05/2012

Global Id: T0603700531
Status: Completed - Case Closed
Status Date: 01/17/2013

Regulatory Activities:

Global Id: T0603700531
Action Type: REMEDIATION
Date: 04/01/2010
Action: Excavation

Global Id: T0603700531
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603700531
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603700531
Action Type: RESPONSE
Date: 04/03/2012
Action: Site Assessment Report

Global Id: T0603700531
Action Type: RESPONSE
Date: 01/15/2012
Action: Other Workplan

Global Id: T0603700531
Action Type: Other
Date: 07/02/1990
Action: Leak Reported

Global Id: T0603700531
Action Type: RESPONSE
Date: 07/15/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER CENTER (Continued)

S106116238

Action: Monitoring Report - Semi-Annually

Global Id: T0603700531
Action Type: RESPONSE
Date: 03/17/2013
Action: Well Destruction Report

Global Id: T0603700531
Action Type: REMEDIATION
Date: 04/01/2010
Action: Other (Use Description Field)

Global Id: T0603700531
Action Type: ENFORCEMENT
Date: 12/23/2003
Action: Staff Letter

Global Id: T0603700531
Action Type: RESPONSE
Date: 10/05/2009
Action: Well Destruction Report

Global Id: T0603700531
Action Type: ENFORCEMENT
Date: 01/17/2013
Action: Closure/No Further Action Letter

Global Id: T0603700531
Action Type: Other
Date: 06/22/1990
Action: Leak Discovery

Global Id: T0603700531
Action Type: RESPONSE
Date: 02/20/2004
Action: Other Report / Document

Global Id: T0603700531
Action Type: RESPONSE
Date: 07/15/2010
Action: Request for Closure

Global Id: T0603700531
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700531
Action Type: ENFORCEMENT
Date: 11/13/2012
Action: Notification - Preclosure

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARKER CENTER (Continued)

S106116238

Facility Id: 900120352
Status: Preliminary site assessment underway
Substance: Diesel
Substance Quantity: Not reported
Local Case No: 2220
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700531
W Global ID: W0605100582
Staff: JW
Local Agency: 19050
Cross Street: 001ST ST
Enforcement Type: SEL
Date Leak Discovered: 6/22/1990
Date Leak First Reported: 7/2/1990
Date Leak Record Entered: 12/12/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/16/1996
Date the Case was Closed: Not reported
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: DEPT. OF GEN'L SVC
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported
Approx. Dist To Production Well (ft): 2716.6851966966848129627837016
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 7/2/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: .005
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: <
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. RENE VILLA-AGUSTIN
RP Address: 419 S. SPRING ST., 12TH FL.
Program: LUST
Lat/Long: 34.0496911 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600582-001GEN
Summary: REFER TO LA CITY FD. FOR SITE ADDRESS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V114 LA CO PARKING GARAGE
North 1035 ALAMEDA ST N
1/8-1/4 LOS ANGELES, CA 90012
0.192 mi.
1013 ft. Site 1 of 4 in cluster V

LUST S102432402
HIST CORTESE N/A

Relative:
Higher

LUST:

Actual:
291 ft.

Region: STATE
Global Id: T0603700513
Latitude: 34.060133
Longitude: -118.2366553
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/22/1998
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120161
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700513
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700513
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700513
Status: Open - Case Begin Date
Status Date: 03/01/1995

Global Id: T0603700513
Status: Open - Site Assessment
Status Date: 10/20/1995

Global Id: T0603700513
Status: Open - Site Assessment
Status Date: 07/31/1997

Global Id: T0603700513

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO PARKING GARAGE (Continued)

S102432402

Status: Completed - Case Closed
Status Date: 01/22/1998

Regulatory Activities:

Global Id: T0603700513
Action Type: Other
Date: 03/01/1995
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120161
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700513
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 3/1/1995
Date Leak Record Entered: 11/8/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/8/1998
Date the Case was Closed: 1/22/1998
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 1705.6225931610189372647426622
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 10/20/1995
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/31/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 36
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO PARKING GARAGE (Continued)

S102432402

Organization: Not reported
Owner Contact: Not reported
Responsible Party: LA COUNTY, ENERGY MANAGEMENT
RP Address: 1100 N. EASTERN AVE., RM 101, LOS ANGELES, CA 90063
Program: LUST
Lat/Long: 34.0606765 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: 07/31/97 - WELL INSTALLATION & QTRLY GW MON RPT, 12/11/97- READY TO
CLOSE. NOTIFIED RP, NO QMR PENDING REVIEW FOR CLOSURE.
04/08/98 - ABANDONMENT OF GW
MON WELLS

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120161

W115 LA CO REGIONAL PLANNING
West 320 W TEMPLE ST
1/8-1/4 LOS ANGELES, CA 90012
0.200 mi.
1055 ft. Site 1 of 5 in cluster W

CA FID UST S101617577
LOS ANGELES CO. HMS N/A

Relative:
Higher

CA FID UST:
Facility ID: 19047629
Regulated By: UTNKA
Regulated ID: 00020718
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132672242
Mail To: Not reported
Mailing Address: 1100 N EASTERN AVE
Mailing Address 2: Not reported
Mailing City, St, Zip: LOS ANGELES 900630000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
345 ft.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 028563-040194
Facility Type: Not reported
Facility Status: OPEN
Area: 3F
Permit Number: Not reported
Permit Status: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

W116 **HALL OF RECORD**
West **320 W TEMPLE ST**
1/8-1/4 **LOS ANGELES, CA 90063**
0.200 mi.
1055 ft. **Site 2 of 5 in cluster W**

HIST UST **U001562308**
N/A

Relative:
Higher

HIST UST:

File Number: 00027723
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027723.pdf>
 Region: STATE
 Facility ID: 00000020718
 Facility Type: Other
 Other Type: COUNTY
 Contact Name: L.A. COUNTY MECHANICAL DEPARTM
 Telephone: 2132672242
 Owner Name: LOS ANGELES COUNTY MECHANICAL
 Owner Address: 1100 N. EASTERN AVE.
 Owner City,St,Zip: LOS ANGELES, CA 90063
 Total Tanks: 0001

Tank Num: 001
 Container Num: #1
 Year Installed: 1984
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Actual:
345 ft.

[Click here for Geo Tracker PDF:](#)

W117 **HALL OF RECORDS/ISD**
West **320 W TEMPLE ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.200 mi.
1055 ft. **Site 3 of 5 in cluster W**

UST **U003781708**
N/A

Relative:
Higher

UST:

Facility ID: 25484
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.057105
 Longitude: -118.24305

Actual:
345 ft.

W118 **HALL OF RECORDS/ LA CO. F.M.D.**
West **320 W TEMPLE ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.200 mi.
1055 ft. **Site 4 of 5 in cluster W**

AST **A100420609**
N/A

Relative:
Higher

AST:

Certified Unified Program Agencies: Not reported
 Owner: HALL OF RECORDS/L.A. COUNTY
 Total Gallons: Not reported
 CERSID: 10257508
 Facility ID: FA0034008
 Business Name: HALL OF RECORDS/ LA CO. F.M.D.
 Phone: 323 816-3353
 Fax: Not reported

Actual:
345 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HALL OF RECORDS/ LA CO. F.M.D. (Continued)

A100420609

Mailing Address: 1100 N EASTERN AVE 225
Mailing Address City: LOS ANGELES
Mailing Address State: CA
Mailing Address Zip Code: 90063
Operator Name: CEASAR
Operator Phone: 323 816-3353
Owner Phone: 323 267-2679
Owner Mail Address: 1100 N EASTERN AVE 225
Owner State: CA
Owner Zip Code: 90063
Owner Country: United States
Property Owner Name: LA COUNTY-ISD
Property Owner Phone: Not reported
Property Owner Mailing Address: 1100 N. EASTERN AVE.
Property Owner City: LOS ANGELES
Property Owner Stat : CA
Property Owner Zip Code: 90063
Property Owner Country: United States
EPAID: Not reported

W119
West
1/8-1/4
0.204 mi.
1078 ft.

DISTRIBUTING STATION 7
330 NORTH HILL ST
LOS ANGELES, CA 90012

HIST UST **U001560507**
N/A

Site 5 of 5 in cluster W

Relative:
Higher

HIST UST:

Actual:
357 ft.

File Number: 000275EE
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000275EE.pdf>
Region: STATE
Facility ID: 00000064819
Facility Type: Other
Other Type: WATER/ELECTRIC UTILI
Contact Name: D.K. MCKAY
Telephone: 2134816611
Owner Name: DEPARTMENT OF WATER AND POWER
Owner Address: 111 N. HOPE STREET
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0002

Tank Num: 001
Container Num: 0069/FLOOR
Year Installed: 1955
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 0070/MAIN
Year Installed: 1955
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISTRIBUTING STATION 7 (Continued)

U001560507

[Click here for Geo Tracker PDF:](#)

**120
NE
1/8-1/4
0.205 mi.
1080 ft.**

**UNITED STATES POST OFFICE
760 N MAIN ST
LOS ANGELES, CA 90012**

**SWEEPS UST S101585246
CA FID UST N/A**

**Relative:
Higher**

SWEEPS UST:
Status: Not reported
Comp Number: 4399
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

**Actual:
290 ft.**

CA FID UST:
Facility ID: 19021639
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136174529
Mail To: Not reported
Mailing Address: 760 N MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**X121
NNE
1/8-1/4
0.208 mi.
1100 ft.**

**LA FIRE STATION 4
800 N MAIN ST
LOS ANGELES, CA 90012**

**RCRA-LQG 1000229423
FINDS CAD981962038
ECHO**

Site 1 of 6 in cluster X

**Relative:
Higher**

RCRA-LQG:
Date form received by agency: 08/26/2009
Facility name: FORMER CITY OF LOS ANGELES FIRE STATION NO 4
Facility address: 800 N MAIN ST
LOS ANGELES, CA 90012

**Actual:
290 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA FIRE STATION 4 (Continued)

1000229423

EPA ID: CAD981962038
Mailing address: 1000 N ALAMEDA ST
LOS ANGELES, CA 90012
Contact: ANNE MARIE JONES
Contact address: 1000 N ALAMEDA ST
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: 213-928-8886
Contact email: AJONES@CALENDOW.ORG
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: 8000 N MAIN LLC
Owner/operator address: 1000 N ALAMEDA ST
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/06/2009
Owner/Op end date: Not reported

Owner/operator name: 8000 N MAIN LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/06/2009
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA FIRE STATION 4 (Continued)

1000229423

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency: 03/09/1987
Site name: LA FIRE STATION 4
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002756321

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ECHO:

Envid: 1000229423
Registry ID: 110002756321
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002756321

X122
NNE
1/8-1/4
0.208 mi.
1100 ft.

LOS ANGELES FIRE STATION 4
800 N MAIN ST
LOS ANGELES, CA 90012
Site 2 of 6 in cluster X

SWEEPS UST S101629301
CA FID UST N/A

Relative:
Higher
Actual:
290 ft.

SWEEPS UST:
Status: Active
Comp Number: 2637
Number: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES FIRE STATION 4 (Continued)

S101629301

Board Of Equalization: 44-012042
Referral Date: 03-10-93
Action Date: 03-31-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002637-000001
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:

Facility ID: 19011130
Regulated By: UTNKA
Regulated ID: 00047468
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134855846
Mail To: Not reported
Mailing Address: 200 N MAIN STREET-ROOM
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

X123 **FIRE STATION 4**
NNE **800 N MAIN ST**
1/8-1/4 **LOS ANGELES, CA 90012**
0.208 mi.
1100 ft. **Site 3 of 6 in cluster X**

HIST UST **U001560512**
N/A

Relative:
Higher

HIST UST:

File Number: 00027134
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027134.pdf>
Region: STATE
Facility ID: 00000047468
Facility Type: Other
Other Type: FIRE STATION
Contact Name: Not reported
Telephone: 2134856204
Owner Name: CITY OF LOS ANGELES
Owner Address: 200 N. MAIN ST.
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0001

Actual:
290 ft.

Tank Num: 001
Container Num: FS4-1
Year Installed: Not reported
Tank Capacity: 00001000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRE STATION 4 (Continued)

U001560512

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

X124
NNE
1/8-1/4
0.208 mi.
1100 ft.

LA CITY FIRE STATION #4
800 MAIN ST N
LOS ANGELES, CA 90012
Site 4 of 6 in cluster X

LUST S104773312
N/A

Relative:
Higher

LUST:

Region: STATE
Global Id: T0603793074
Latitude: 34.059419
Longitude: -118.236564
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/18/2009
Lead Agency: LOS ANGELES, CITY OF
Case Worker: EL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120443
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Actual:
290 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603793074
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603793074
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603793074
Status: Open - Case Begin Date
Status Date: 07/20/1999

Global Id: T0603793074

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY FIRE STATION #4 (Continued)

S104773312

Status: Open - Site Assessment
Status Date: 10/07/1999

Global Id: T0603793074
Status: Completed - Case Closed
Status Date: 02/18/2009

Regulatory Activities:

Global Id: T0603793074
Action Type: Other
Date: 10/07/1999
Action: Leak Reported

Global Id: T0603793074
Action Type: Other
Date: 07/20/1999
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120443
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603793074
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 7/20/1999
Date Leak First Reported: 10/7/1999
Date Leak Record Entered: Not reported
Date Confirmation Began: 10/7/1999
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/7/1999
Date the Case was Closed: Not reported
How Leak Discovered: Repair Tank
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: UNK
Operator: CITY OF L.A. FD.
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1787.4194230464555382421936518
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA CITY FIRE STATION #4 (Continued)

S104773312

Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CITY OF LOS ANGELES
RP Address:	419 S. SPRING ST., LOS ANGELES, CA 90013
Program:	LUST
Lat/Long:	34.059419 / -118.2318
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

Y125
 SE
 1/8-1/4
 0.210 mi.
 1109 ft.

**SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL
 KELLER ST., VIGNES ST., AND 101 FREEWAY
 LOS ANGELES, CA 90012**

**ENVIROSTOR S102564461
 VCP N/A**

Site 1 of 2 in cluster Y

**Relative:
 Higher**

ENVIROSTOR:

Facility ID:	19490240
Status:	Active
Status Date:	08/18/2008
Site Code:	301005
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.05431
Longitude:	-118.2318
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	Arsenic Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	30472-NO 30019-NO 30024-NO 30025-NO 30001-NO 3002502-NO
Potential Description:	OTH, SOIL
Alias Name:	ALISO A

**Actual:
 282 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL (Continued)

S102564461

Alias Type:	Alternate Name
Alias Name:	ALISO MANUFACTURED GAS PLANT
Alias Type:	Alternate Name
Alias Name:	ALISO STREET TOWNE GAS SITE
Alias Type:	Alternate Name
Alias Name:	ALISO/RAMIREZ
Alias Type:	Alternate Name
Alias Name:	ALLISO/RAMIREZ ST. TOWNE GAS SITE
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES GAS AND ELECTRIC
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/ALISO A MGP
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/ALISO-RAMIREZ MGP
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/RAMIREZ (ALISO) MGP
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS/RAMIREZ MGP
Alias Type:	Alternate Name
Alias Name:	SO. CAL. GAS, ALISO A
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIF GAS CO - ALISO A
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS CO., ALISO A
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY - ALISO
Alias Type:	Alternate Name
Alias Name:	110033609414
Alias Type:	EPA (FRS #)
Alias Name:	300456
Alias Type:	Project Code (Site Code)
Alias Name:	300615
Alias Type:	Project Code (Site Code)
Alias Name:	300880
Alias Type:	Project Code (Site Code)
Alias Name:	301005
Alias Type:	Project Code (Site Code)
Alias Name:	19490240
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	01/04/1999
Comments:	Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-008, signed by the RP.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	01/26/2004
Comments:	Notices of Determination for Aliso Street Section A West Parcel and Sector A East Parcel were hand-delivered to the Governor's Office of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL (Continued)

S102564461

Planning and Research on 1/26/2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/13/2002
Comments: Feasibility Study Report for Aliso Street Sector A.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/26/1997
Comments: PEA completed. Further investigation (RI/FS) warranted for the site as PAH, VOC, TPH, metals and cyanide contamination exist in both soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/10/2007
Comments: DTSC provided a partial site certification letter, dated 10/10/07. Full site certification due upon investigation and remediation of groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 02/23/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/20/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Remedial Investigation/Feasibility Study to further characterize the existing soil and groundwater contamination and, if necessary, to prepare a removal action workplan and implement a removal action under the oversight of DTSC. If appropriate, the Proponent has agreed to implement a deed restriction for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/15/1996
Comments: On 08/15/1996 DTSC & The Gas Company executed a Consent Order for a Preliminary Endangerment Assessment for a portion (Sector A) of the former Aliso Manufactured Gas Plant Site - which is being investigated in 5 sectors or units. The "530 Ramirez" site (CalSites 19490235) is a portion of Sector A.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL (Continued)

S102564461

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19490240
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301005
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 08/18/2008
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05431 / -118.2318
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30019, 30024, 30025, 3002502, 30472
Confirmed COC: 30472-NO,30019-NO,30024-NO,30025-NO,30001-NO,3002502-NO
Potential Description: OTH, SOIL
Alias Name: ALISO A
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: ALISO STREET TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: ALISO/RAMIREZ
Alias Type: Alternate Name
Alias Name: ALLISO/RAMIREZ ST. TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: LOS ANGELES GAS AND ELECTRIC
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO A MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO-RAMIREZ MGP
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL (Continued)

S102564461

Alias Name: SO CAL GAS/RAMIREZ (ALISO) MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/RAMIREZ MGP
Alias Type: Alternate Name
Alias Name: SO. CAL. GAS, ALISO A
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIF GAS CO - ALISO A
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS CO., ALISO A
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY - ALISO
Alias Type: Alternate Name
Alias Name: 110033609414
Alias Type: EPA (FRS #)
Alias Name: 300456
Alias Type: Project Code (Site Code)
Alias Name: 300615
Alias Type: Project Code (Site Code)
Alias Name: 300880
Alias Type: Project Code (Site Code)
Alias Name: 301005
Alias Type: Project Code (Site Code)
Alias Name: 19490240
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-008, signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/26/2004
Comments: Notices of Determination for Aliso Street Section A West Parcel and Sector A East Parcel were hand-delivered to the Governor's Office of Planning and Research on 1/26/2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/13/2002
Comments: Feasibility Study Report for Aliso Street Sector A.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/26/1997
Comments: PEA completed. Further investigation (RI/FS) warranted for the site as PAH, VOC, TPH, metals and cyanide contamination exist in both soil and groundwater.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - EAST PARCEL (Continued)

S102564461

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/10/2007
Comments: DTSC provided a partial site certification letter, dated 10/10/07. Full site certification due upon investigation and remediation of groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 02/23/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/20/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with Southern California Gas Company (Proponent). The purpose of this Agreement is for the Proponent to conduct a Remedial Investigation/Feasibility Study to further characterize the existing soil and groundwater contamination and, if necessary, to prepare a removal action workplan and implement a removal action under the oversight of DTSC. If appropriate, the Proponent has agreed to implement a deed restriction for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/15/1996
Comments: On 08/15/1996 DTSC & The Gas Company executed a Consent Order for a Preliminary Endangerment Assessment for a portio (Sector A) of the former Aliso Manufactured Gas Plant Site - which is being investigated in 5 sectors or units. The "530 Ramirez" site (CalSites 19490235) is a portion of Sector A.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

Z126
West
1/8-1/4
0.211 mi.
1115 ft.

IT CORP
400 W TEMPLE ST
LOS ANGELES, CA 90012

Site 1 of 2 in cluster Z

SWEEPS UST **S101588216**
CA FID UST **N/A**

Relative:
Higher

SWEEPS UST:
 Status: Not reported
 Comp Number: 7205
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: 0

Actual:
363 ft.

CA FID UST:
 Facility ID: 19056456
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2130000000
 Mail To: Not reported
 Mailing Address: 400 W TEMPLE ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

AA127
SW
1/8-1/4
0.213 mi.
1126 ft.

LOS ANGELES CITY HALL
200 N SPRING ST
LOS ANGELES, CA 90012

Site 1 of 5 in cluster AA

UST **1000102065**
SWEEPS UST **N/A**
HIST UST
CA FID UST
EMI

Relative:
Higher

UST:
 Facility ID: 24334
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.05401
 Longitude: -118.24344

Actual:
287 ft.

SWEEPS UST:
 Status: Active
 Comp Number: 2455
 Number: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY HALL (Continued)

1000102065

Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002455-000001
Tank Status: A
Capacity: 10000
Active Date: 02-10-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 2455
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002455-000002
Tank Status: A
Capacity: 10000
Active Date: 02-10-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2455
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002455-000003
Tank Status: A
Capacity: 10000
Active Date: 02-10-93
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Active
Comp Number: 2455
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002455-000004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY HALL (Continued)

1000102065

Tank Status: A
Capacity: 10
Active Date: 02-10-93
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

HIST UST:

File Number: 00027674
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027674.pdf>
Region: STATE
Facility ID: 00000047104
Facility Type: Other
Other Type: YARD
Contact Name: DAVE FERM
Telephone: 2134852357
Owner Name: LOS ANGELES CITY
Owner Address: 200 N. MAIN ST
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0004

Tank Num: 001
Container Num: #1
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4"
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1928
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY HALL (Continued)

1000102065

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 19018780
Regulated By: UTNKA
Regulated ID: 00047106
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134852357
Mail To: Not reported
Mailing Address: 200 N MAIN STREET-ROOM
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 19022020
Regulated By: UTNKA
Regulated ID: 00047104
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134852357
Mail To: Not reported
Mailing Address: 200 N MAIN STREET-ROOM
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 28201
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES CITY HALL (Continued)

1000102065

Year: 1995
 County Code: 19
 Air Basin: SC
 Facility ID: 28201
 Air District Name: SC
 SIC Code: 9199
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 1
 NOX - Oxides of Nitrogen Tons/Yr: 4
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

AA128
SW
1/8-1/4
0.213 mi.
1126 ft.

LOS ANGELES CITY HALL EAST
200 N MAIN ST
LOS ANGELES, CA 90012

UST U003780777
N/A

Site 2 of 5 in cluster AA

Relative:
Higher

UST:
 Facility ID: 24333
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 34.054406
 Longitude: -118.240549

Actual:
287 ft.

AA129
SW
1/8-1/4
0.213 mi.
1126 ft.

LOS ANGELES CITY HALL EAST/HEADQUARTERS
200 N MAIN ST
LOS ANGELES, CA 90012

SWEEPS UST S106928812
N/A

Site 3 of 5 in cluster AA

Relative:
Higher

SWEEPS UST:
 Status: Active
 Comp Number: 2457
 Number: 4
 Board Of Equalization: Not reported
 Referral Date: 03-10-93
 Action Date: 04-05-94
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-050-002457-000001
 Tank Status: A
 Capacity: 10000
 Active Date: 10-05-92
 Tank Use: M.V. FUEL
 STG: P
 Content: REG UNLEADED
 Number Of Tanks: 6

Actual:
287 ft.

Status: Active
 Comp Number: 2457
 Number: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY HALL EAST/HEADQUARTERS (Continued)

S106928812

Board Of Equalization: Not reported
Referral Date: 03-10-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002457-000002
Tank Status: A
Capacity: 10000
Active Date: 10-05-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2457
Number: 4
Board Of Equalization: Not reported
Referral Date: 03-10-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002457-000003
Tank Status: A
Capacity: 10000
Active Date: 10-05-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2457
Number: 4
Board Of Equalization: Not reported
Referral Date: 03-10-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002457-000004
Tank Status: A
Capacity: 10000
Active Date: 10-05-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2457
Number: 4
Board Of Equalization: Not reported
Referral Date: 03-10-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002457-000005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY HALL EAST/HEADQUARTERS (Continued)

S106928812

Tank Status: A
Capacity: 10000
Active Date: 10-05-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2457
Number: 4
Board Of Equalization: Not reported
Referral Date: 03-10-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002457-000006
Tank Status: A
Capacity: 10000
Active Date: 10-05-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

**AA130
SW
1/8-1/4
0.213 mi.
1126 ft.**

**PLANNING DEPT LA CITY OF
200 N SPRING ST ROOM 1021
LOS ANGELES, CA 90012**

Site 4 of 5 in cluster AA

**RCRA-SQG 1000317626
ICIS CAD982519480
FINDS
HAZNET**

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 03/30/1989
Facility name: PLANNING DEPT LA CITY OF
Facility address: 200 N SPRING ST ROOM 1021
LOS ANGELES, CA 90012
EPA ID: CAD982519480
Mailing address: 200 N SPRING ST ROOM 703
LOS ANGELES, CA 90012
Contact: ENVIRONMENTAL MANAGER
Contact address: 200 N SPRING ST ROOM 1021
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: (213) 485-3734
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLANNING DEPT LA CITY OF (Continued)

1000317626

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

ICIS:

Enforcement Action ID: 09-1990-0023
FRS ID: 110041974502
Action Name: CITY OF LOS ANGELES
Facility Name: PLANNING DEPT LA CITY OF
Facility Address: 200 N SPRING ST ROOM 1021
LOS ANGELES, CA 90012
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.054017
Longitude in Decimal Degrees: -118.243464
Permit Type Desc: Not reported
Program System Acronym: 10258
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLANNING DEPT LA CITY OF (Continued)

1000317626

HAZNET:
envid: 1000317626
Year: 1996
GEPaid: CAD982519480
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 200 N SPRING ST ROOM 703
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0625
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

AA131
SW
1/8-1/4
0.213 mi.
1126 ft.

CITY HALL
200 NORTH SPRING STREET
LOS ANGELES, CA 90012
Site 5 of 5 in cluster AA

RCRA-LQG 1007199481
CAD981575954

Relative:
Higher

RCRA-LQG:

Actual:
287 ft.

Date form received by agency: 03/29/2002
Facility name: CITY HALL
Facility address: 200 NORTH SPRING STREET
LOS ANGELES, CA 90012
EPA ID: CAD981575954
Mailing address: 419 SOUTH SPRING STREET
12TH FLOOR
LOS ANGELES, CA 90013
Contact: SHARI H KUROKI
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (213) 473-7748
Contact email: SKUROKI@GSD.LACITY.ORG
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY HALL (Continued)

1007199481

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AB132
ENE
1/8-1/4
0.214 mi.
1132 ft.

GOLDEN NATURAL CO
934 AVILA ST
LOS ANGELES, CA 90012
Site 1 of 4 in cluster AB

RCRA-LQG 1012175636
CAL000179583

Relative:
Higher

RCRA-LQG:

Actual:
286 ft.

Date form received by agency: 06/09/2010
Facility name: GOLDEN NATURAL CO
Facility address: 934 AVILA ST
LOS ANGELES, CA 90012
EPA ID: CAL000179583
Contact: DARIO C NARVAEZ
Contact address: 934 AVILA ST
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: (213) 680-1088
Contact email: DCNARVAEZ19@YAHOO.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: NANCY TERRY
Owner/operator address: 520 W WEDGEWOOD LN
LA HABRA, CA 90631
Owner/operator country: US
Owner/operator telephone: (714) 742-8428
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN NATURAL CO (Continued)

1012175636

Owner/Op start date: 01/01/1978
Owner/Op end date: Not reported

Owner/operator name: DARIO C NARVAEZ
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/15/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 792
. Waste name: 792

. Waste code: D002
. Waste name: CORROSIVE WASTE

Historical Generators:

Date form received by agency: 06/26/2008
Site name: GOLDEN NATURAL COMPANY
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V133 ALAMEDA STREET GARAGE
North 1055 N ALAMEDA ST
1/8-1/4 LOS ANGELES, CA 90063
0.218 mi.
1149 ft. Site 2 of 4 in cluster V

SWEEPS UST S101617571
CA FID UST N/A
HAZNET
LOS ANGELES CO. HMS

Relative:
Higher

SWEEPS UST:

Actual:
292 ft.

Status: Active
Comp Number: 1466
Number: 5
Board Of Equalization: 44-011798
Referral Date: 05-04-93
Action Date: 03-16-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001466-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 1466
Number: 5
Board Of Equalization: 44-011798
Referral Date: 05-04-93
Action Date: 03-16-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001466-000002
Tank Status: A
Capacity: 7500
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 1466
Number: 5
Board Of Equalization: 44-011798
Referral Date: 05-04-93
Action Date: 03-16-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001466-000003
Tank Status: A
Capacity: 2000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA STREET GARAGE (Continued)

S101617571

Comp Number: 1466
Number: 5
Board Of Equalization: 44-011798
Referral Date: 05-04-93
Action Date: 03-16-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001466-000004
Tank Status: A
Capacity: 1000
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19030315
Regulated By: UTNKA
Regulated ID: 00020738
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132672242
Mail To: Not reported
Mailing Address: 1100 N EASTERN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900630000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:

envid: S101617571
Year: 2015
GEPaid: CAL000369237
Contact: DON GOFF
Telephone: 3232672374
Mailing Name: Not reported
Mailing Address: 2168 S ATLANTIC BLVD
Mailing City,St,Zip: MONTEREY PARK, CA 917546839
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.1251
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA STREET GARAGE (Continued)

S101617571

envid: S101617571
Year: 2013
GEPaid: CAL000369237
Contact: DON GOFF
Telephone: 3232672374
Mailing Name: Not reported
Mailing Address: 2168 S ATLANTIC BLVD
Mailing City,St,Zip: MONTEREY PARK, CA 917546839
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35445
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 012460-012610
Facility Type: Not reported
Facility Status: OPEN
Area: 3F
Permit Number: Not reported
Permit Status: Not reported

V134
North
1/8-1/4
0.218 mi.
1149 ft.

LA COUNTY PARKING SERVICES
1055 N ALAMEDA ST
LOS ANGELES, CA 90012
Site 3 of 4 in cluster V

UST U003781714
N/A

Relative:
Higher

UST:
Facility ID: 25492
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.062472
Longitude: -118.23552

Actual:
292 ft.

V135
North
1/8-1/4
0.218 mi.
1149 ft.

M P R FLEET SVCS INC
1055 N ALAMEDA ST
LOS ANGELES, CA 90012
Site 4 of 4 in cluster V

RCRA-SQG 1000227685
FINDS CAD981992282
ECHO

Relative:
Higher

RCRA-SQG:
Date form received by agency:09/14/1992
Facility name: M P R FLEET SVCS INC
Facility address: 1055 N ALAMEDA ST
LOS ANGELES, CA 90012
EPA ID: CAD981992282
Mailing address: P O BOX 1867
MONTEREY PARK, CA 91754
Contact: DAYNE HINTON

Actual:
292 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M P R FLEET SVCS INC (Continued)

1000227685

Contact address: 1055 N ALAMEDA ST
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: (213) 974-9095
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: M P R FLEET SVCS INC
Owner/operator address: P O BOX 1867
MONTEREY PARK, CA 91754
Owner/operator country: Not reported
Owner/operator telephone: (213) 267-2092
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002769335

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

M P R FLEET SVCS INC (Continued)

1000227685

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110060262362

Environmental Interest/Information System

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ECHO:

Envid: 1000227685
 Registry ID: 110002769335
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002769335

Y136
SE
1/8-1/4
0.223 mi.
1175 ft.

PBR REALTY LLC
531 COMMERCIAL ST
LOS ANGELES, CA 90012

LUST S104773306
SLIC N/A

Site 2 of 2 in cluster Y

Relative:
Lower

LUST REG 4:

Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 900120270
 Status: Post remedial action monitoring
 Substance: Hydrocarbons
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: Remove Free Product
 Global ID: T0603700523
 W Global ID: W0605100649
 Staff: EW
 Local Agency: 19050
 Cross Street: Not reported
 Enforcement Type: EF

Actual:
279 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PBR REALTY LLC (Continued)

S104773306

Date Leak Discovered: Not reported
Date Leak First Reported: 4/8/1993
Date Leak Record Entered: 2/25/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/12/2000
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: OLD CASE #121494-11
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3345.6663366060994922187996092
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 3/19/1993
Pollution Characterization Began: 4/28/1994
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 9/8/2000
Enforcement Action Date: 8/14/2000
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 1.1
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BYRON BALL
RP Address: 100 SHORELINE HWY, BLDG. B, SUITE 395
Program: SLIC
Lat/Long: 34.0532139 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: 10/10/00 3RD QTR GW MON RPT 2000

SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 02/02/2015
Global Id: T0603700523
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.0532139
Longitude: -118.2355838
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120270
File Location: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PBR REALTY LLC (Continued)

S104773306

Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

AC137
WSW
1/8-1/4
0.229 mi.
1208 ft.

PHASE II MALL ARCHIVES
145 N BROADWAY
LOS ANGELES, CA 90063

HIST UST **U001562359**
N/A

Site 1 of 3 in cluster AC

Relative:
Higher

HIST UST:

File Number: 00027719
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027719.pdf>
 Region: STATE
 Facility ID: 00000020713
 Facility Type: Other
 Other Type: CO. ARCHIVES
 Contact Name: L.A. COUNTY MECHANICAL DEPARTM
 Telephone: 2132672242
 Owner Name: LOS ANGELES COUNTY MECHANICAL
 Owner Address: 1100 N. EASTERN AVE.
 Owner City,St,Zip: LOS ANGELES, CA 90063
 Total Tanks: 0001

Actual:
324 ft.

Tank Num: 001
 Container Num: #1
 Year Installed: 1968
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

AC138
WSW
1/8-1/4
0.229 mi.
1208 ft.

PHASE II MALL ARCHIVES
145 N BROADWAY
LOS ANGELES, CA 90063

SWEEPS UST **S101617589**
CA FID UST **N/A**
LOS ANGELES CO. HMS

Site 2 of 3 in cluster AC

Relative:
Higher

SWEEPS UST:

Status: Active
 Comp Number: 1456
 Number: 4
 Board Of Equalization: 44-011798
 Referral Date: 03-09-93
 Action Date: 03-09-93
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-050-001456-000001
 Tank Status: A
 Capacity: 5000
 Active Date: 04-20-88

Actual:
324 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHASE II MALL ARCHIVES (Continued)

S101617589

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:

Facility ID: 19055401
Regulated By: UTNKA
Regulated ID: 00020713
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132672242
Mail To: Not reported
Mailing Address: 1100 N EASTERN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900630000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 012458-012608
Facility Type: Not reported
Facility Status: OPEN
Area: 3F
Permit Number: Not reported
Permit Status: Not reported

AC139 **AUTO PARK 10**
WSW **145 N BROADWAY**
1/8-1/4 **LOS ANGELES, CA 90012**
0.229 mi.
1208 ft. **Site 3 of 3 in cluster AC**

UST **U003780769**
N/A

Relative: **Higher**
Actual: **324 ft.**
UST:
Facility ID: 24326
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.056409
Longitude: -118.24369

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

140
East
1/8-1/4
0.230 mi.
1213 ft.

MAHMOUD M KOBAISSI
530 MACY ST
LOS ANGELES, CA 90012

SWEEPS UST **S101586607**
CA FID UST **N/A**

Relative:
Higher

SWEEPS UST:

Actual:
282 ft.

Status: Not reported
Comp Number: 500
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000500-000001
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 5

Status: Not reported
Comp Number: 500
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000500-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 500
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000500-000003
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAHMOUD M KOBAISSI (Continued)

S101586607

Comp Number: 500
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000500-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 500
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000500-000005
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19054179
Regulated By: UTKNI
Regulated ID: 00005069
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136212000
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AD141
WNW
1/8-1/4
0.230 mi.
1215 ft.

CORTINES SCHOOL OF VPA
450 N GRAND AVE
LOS ANGELES, CA 90012

Database(s) RCRA-LQG
EPA ID Number 1000427792
CAD075284901

Site 1 of 2 in cluster AD

Relative:
Higher

RCRA-LQG:

Actual:
402 ft.

Date form received by agency: 09/13/2012
Facility name: CORTINES SCHOOL OF VPA
Facility address: 450 N GRAND AVE
LOS ANGELES, CA 90012
EPA ID: CAD075284901
Mailing address: 333 S BEAUDRY AVE 28TH FL
LOS ANGELES, CA 90017
Contact: SOE AUNG
Contact address: 333 S BEAUDRY AVE 28TH FL
LOS ANGELES, CA 90017
Contact country: US
Contact telephone: 213-745-5939
Contact email: SOE.AUNG@LAUSD.NET
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LOS ANGELES UNIFIED SCHOOL DIST
Owner/operator address: 333 S BEAUDRY AVE 28TH FL
LOS ANGELES, CA 90017
Owner/operator country: US
Owner/operator telephone: 213-241-3199
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 07/03/1987
Owner/Op end date: Not reported

Owner/operator name: CORTINES SCHOOL OF VPA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 07/03/1987
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORTINES SCHOOL OF VPA (Continued)

1000427792

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: 181

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency: 09/25/2002
Site name: CENTRAL L A AREA NEW H S NO 9
Classification: Small Quantity Generator

Date form received by agency: 09/25/2002
Site name: CENTRAL L A AREA NEW H S NO 9
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

AD142 **LA USD/ADMIN OFFICES**
WNW **450 N GRAND AVE**
1/8-1/4 **LOS ANGELES, CA 90012**
0.230 mi.
1215 ft. **Site 2 of 2 in cluster AD**

RCRA-SQG **1000427793**
CAD981625031

Relative:
Higher

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: LA USD/ADMIN OFFICES
Facility address: 450 N GRAND AVE
LOS ANGELES, CA 90012
EPA ID: CAD981625031
Mailing address: N GRAND AVE
LOS ANGELES, CA 90012
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

Actual:
402 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA USD/ADMIN OFFICES (Continued)

1000427793

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LA USD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Elevation	Site	Database(s)	EPA ID Number

AB143 **MOGUL CORPORATION**
ENE **967 NORTH VIGNES STREET**
1/8-1/4 **LOS ANGELES, CA 90012**
0.237 mi.
1252 ft. **Site 2 of 4 in cluster AB**

ENVIROSTOR **S101481023**
 N/A

Relative:
Higher

ENVIROSTOR:
 Facility ID: 19510059
 Status: No Further Action
 Status Date: 09/09/1985
 Site Code: Not reported
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: * Frances Collier
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: EPA Grant
 Latitude: 34.05848
 Longitude: -118.2327
 APN: 5409016026
 Past Use: MANUFACTURING - CHEMICALS
 Potential COC: Arsenic Chromium VI
 Confirmed COC: 30153-NO 30001-NO
 Potential Description: SOIL, SV
 Alias Name: SKASOL OF SOUTHERN CALIFORNIA INC
 Alias Type: Alternate Name
 Alias Name: 5409016026
 Alias Type: APN
 Alias Name: CAD056437460
 Alias Type: EPA Identification Number
 Alias Name: 110002650774
 Alias Type: EPA (FRS #)
 Alias Name: 19510059
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/04/1987
 Comments: SITE SCREENING DONE ON CERCLIS

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 02/05/1984
 Comments: T/C W/ D. BORES & D. WILBUR, MOGUL, 216-272- 1353 - 1) SOURCE ACT: BLEND & PACKAGE WATER TREATMENT CHEM. 2) WASTE: (MOGUL) HAULED BY CHEMICAL WASTE MFMT. (SKASOL) ONSITE DISP-EVAP/PERCOLATION ON SOILLAND SODIUM DICHROMATE, BASES, DICHLOROBENZEN, HYDRAZINE, HYDROCHLORIC, SULFURIC ACID, FINAL STRATEGY RECOM INSP, SAMPLING, & SOIL ANALYSIS SUBMIT TO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOGUL CORPORATION (Continued)

S101481023

EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/28/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**AB144
ENE
1/8-1/4
0.237 mi.
1252 ft.**

**MOGUL CORP WESTERN DIV
967 N VIGNES ST
LOS ANGELES, CA 90012**

**SEMS-ARCHIVE 1000425344
RCRA-SQG CAD056437460
FINDS
ECHO**

Site 3 of 4 in cluster AB

**Relative:
Higher**

SEMS-ARCHIVE:
Site ID: 901451
EPA ID: CAD056437460
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
288 ft.**

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0901451
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13290498.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296093.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301951.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: SKASOL
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 08/01/80

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOGUL CORP WESTERN DIV (Continued)

1000425344

Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 10/01/85
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 10/01/85
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: PRELIMINARY ASSESSMENT
Date Started: 03/01/84
Date Completed: 09/01/84
Priority Level: Low priority for further assessment

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: MOGUL CORP WESTERN DIV
Facility address: 967 N VIGNES ST
LOS ANGELES, CA 90012
EPA ID: CAD056437460
Mailing address: N VIGNES ST
LOS ANGELES, CA 90012
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: THE DEXTER CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOGUL CORP WESTERN DIV (Continued)

1000425344

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002650774

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000425344
Registry ID: 110002650774
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002650774

AB145
ENE
1/8-1/4
0.237 mi.
1252 ft.

MOGUL CORPORATION
967 VIGNES
LOS ANGELES, CA 90012
Site 4 of 4 in cluster AB

HIST CORTESE S105024711
N/A

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19510059

Actual:
288 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

X146 **MAGNUS CO INC** **SEMS-ARCHIVE** **1003878452**
NNE **860 N MAIN ST** **CAD980636138**
1/8-1/4 **LOS ANGELES, CA 90012**
0.238 mi.
1256 ft. **Site 5 of 6 in cluster X**

Relative: SEMS-ARCHIVE:
Higher Site ID: 901784
 EPA ID: CAD980636138
Actual: Federal Facility: N
291 ft. NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0901784
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13290615.00000
 Person ID: 13003854.00000

Contact Sequence ID: 13296210.00000
 Person ID: 13003858.00000

Contact Sequence ID: 13302068.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
 Date Started: / /
 Date Completed: 06/01/81
 Priority Level: Not reported

Action: ARCHIVE SITE
 Date Started: / /
 Date Completed: 09/01/84
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
 Date Started: 03/01/84
 Date Completed: 09/01/84
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

X147 **MAGNUS COMPANY, INC** **ENVIROSTOR** **S101480911**
NNE **860 NORTH MAIN STREET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.238 mi.
1256 ft. **Site 6 of 6 in cluster X**

Relative: ENVIROSTOR:
Higher Facility ID: 19370356
 Status: No Further Action
Actual: Status Date: 01/24/1984
291 ft. Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNUS COMPANY, INC (Continued)

S101480911

NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06083
Longitude: -118.2352
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: CAD980636138
Alias Type: EPA Identification Number
Alias Name: 19370355
Alias Type: Envirostor ID Number
Alias Name: 19370356
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/28/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/24/1984
Comments: FACILITY DRIVE-BY ASAP. ZONING & ACTIVITY CHANGES AT THIS AREA-US
POSTAL SERVICE BLDG. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

148
South
1/8-1/4
0.239 mi.
1263 ft.

VETERANS AFFAIRS OUTPATIENT CL
351 TEMPLE ST E
LOS ANGELES, CA 90012

LUST S102590721
HIST CORTESE N/A

Relative:
Lower

LUST:

Actual:
272 ft.

Region: STATE
Global Id: T0603700522
Latitude: 34.052593
Longitude: -118.238661
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/30/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AS
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120261
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700522
Contact Type: Regional Board Caseworker
Contact Name: ADNAN SIDDIQUI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: asiddiqui@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700522
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700522
Status: Open - Case Begin Date
Status Date: 06/22/1984

Global Id: T0603700522
Status: Open - Site Assessment
Status Date: 03/03/1989

Global Id: T0603700522
Status: Completed - Case Closed
Status Date: 07/30/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS OUTPATIENT CL (Continued)

S102590721

Regulatory Activities:

Global Id: T0603700522
Action Type: Other
Date: 07/01/1985
Action: Leak Reported

Global Id: T0603700522
Action Type: Other
Date: 06/22/1984
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120261
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700522
W Global ID: W0605100649
Staff: AS
Local Agency: 19050
Cross Street: ALAMEDA ST
Enforcement Type: Not reported
Date Leak Discovered: 6/22/1984
Date Leak First Reported: 7/1/1985
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/17/1997
Date the Case was Closed: 7/30/1997
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE #030389-03
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3324.3629614242763923333342148
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/3/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS OUTPATIENT CL (Continued)

S102590721

GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: VETERANS AFFAIRS OUTPATIENT CL
RP Address: 351 TEMPLE ST E, LOS ANGELES 90012
Program: LUST
Lat/Long: 34.0518249 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: SUBSURFACE INVESTIGATION DONE TO DETERMINE LOCATION OF POSSIBLE FORMER GAS UGT. SOIL AND GROUNDWATER CONTAMINATION WAS FOUND. NEW CONSTRUCTION HAS PROBABLY CHANGED THIS AREA CONSIDERABLY. ONLY RPT DATED 7-1-85.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120261

Z149
West
1/8-1/4
0.239 mi.
1263 ft.

CATHEDRAL OF OUR LADY OF THE ANGELS
555 W. TEMPLE STREET
LOS ANGELES, CA
Site 2 of 2 in cluster Z

SLIC S106485974
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/31/1998
Global Id: SLT4L8271878
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.058039
Longitude: -118.245591
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0827
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
377 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AE150 DEPARTMENT OF WATER & POWER
SSE 433 E TEMPLE ST
1/8-1/4 LOS ANGELES, CA 90012
0.244 mi.
1290 ft. Site 1 of 4 in cluster AE

CA FID UST S101584324
N/A

Relative:
Lower

CA FID UST:
Facility ID: 19010483
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133856123
Mail To: Not reported
Mailing Address: 111 N HOPE ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
274 ft.

AE151 LA DEPT OF WATER AND POWER
SSE 433 E TEMPLE ST
1/8-1/4 LOS ANGELES, CA 90012
0.244 mi.
1290 ft. Site 2 of 4 in cluster AE

UST U003780827
N/A

Relative:
Lower

UST:
Facility ID: 24389
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 34.0518924
Longitude: -118.2352666

Actual:
274 ft.

AE152 DEPARTMENT OF WATER & POWER
SSE 433 TEMPLE ST
1/8-1/4 LOS ANGELES, CA 90012
0.244 mi.
1290 ft. Site 3 of 4 in cluster AE

SWEEPS UST S106925314
N/A

Relative:
Lower

SWEEPS UST:
Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000001
Tank Status: A
Capacity: 1000
Active Date: 10-02-92
Tank Use: OIL
STG: W

Actual:
274 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPARTMENT OF WATER & POWER (Continued)

S106925314

Content: WASTE OIL
Number Of Tanks: 9

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000002
Tank Status: A
Capacity: 1000
Active Date: 10-02-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000003
Tank Status: A
Capacity: 2000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000004
Tank Status: A
Capacity: 2000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPARTMENT OF WATER & POWER (Continued)

S106925314

Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000005
Tank Status: A
Capacity: 2000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000006
Tank Status: A
Capacity: 2000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000007
Tank Status: A
Capacity: 1000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: 000006586
SWRCB Tank Id: 19-050-006586-000008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEPARTMENT OF WATER & POWER (Continued)

S106925314

Tank Status: A
Capacity: 1000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 6586
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-22-93
Action Date: 09-22-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-006586-000009
Tank Status: A
Capacity: 1000
Active Date: 10-02-92
Tank Use: OIL
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

AE153
SSE
1/8-1/4
0.244 mi.
1290 ft.

CENTRAL DISTRICT YARD
433 TEMPLE STREET
LOS ANGELES, CA 90012

RCRA-LQG 1000102026
FINDS CAD000633057
ECHO

Site 4 of 4 in cluster AE

Relative:
Lower

RCRA-LQG:

Date form received by agency: 09/28/2012

Facility name: CENTRAL DISTRICT YARD

Facility address: 433 TEMPLE STREET
LOS ANGELES, CA 90012

EPA ID: CAD000633057

Mailing address: 111 NORTH HOPE STREET
ROOM 1050

LOS ANGELES, CA 90012

Contact: MARK J SEDLACEK

Contact address: 111 NORTH HOPE STREET ROOM 1050
LOS ANGELES, CA 90012

Contact country: US

Contact telephone: (213) 367-0403

Contact email: MARK.SEDLACEK@LADWP.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT YARD (Continued)

1000102026

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LOS ANGELES DEPT. OF WATER & POWER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 05/31/2002
Owner/Op end date: Not reported

Owner/operator name: LA DEPT. OF WATER & POWER
Owner/operator address: 111 NORTH HOPE STREET ROOM 1050
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: (213) 367-0403
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Owner/operator name: LOS ANGELES DEPT. OF WATER & POWER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 05/31/2002
Owner/Op end date: Not reported

Owner/operator name: MARK J. SEDLACEK
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT YARD (Continued)

1000102026

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Historical Generators:

Date form received by agency: 06/09/2010
Site name: CENTRAL DISTRICT YARD
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 02/27/2002
Site name: CENTRAL DISTRICT YARD - LOS ANGELES DEPT
Classification: Small Quantity Generator

Date form received by agency: 02/27/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT YARD (Continued)

1000102026

Site name: CENTRAL DISTRICT YARD - LOS ANGELES DEPT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Date form received by agency: 06/05/2000

Site name: LOS ANGELES D W P CENTRAL DISTRICT YARD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT YARD (Continued)

1000102026

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/04/1999
Site name: CENTRAL DISTRICT YARD
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: LOS ANGELES D W P CENTRAL DISTRICT YARD
Classification: Small Quantity Generator

Date form received by agency: 03/09/1992
Site name: CENTRAL DISTRICT YARD LOS ANGELES DEPART
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 2675

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL DISTRICT YARD (Continued)

1000102026

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 19840

Waste code: D008

Waste name: LEAD

Amount (Lbs): 19840

Waste code: D009

Waste name: MERCURY

Amount (Lbs): 1

Violation Status: No violations found

FINDS:

Registry ID: 110000844230

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

ECHO:

Envid: 1000102026

Registry ID: 110000844230

DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000844230

AF154
SW
1/8-1/4
0.248 mi.
1308 ft.

CITY HALL EAST
200 N. MAIN STREET
LOS ANGELES, CA 90012
Site 1 of 4 in cluster AF

RCRA-LQG 1000172456
HIST UST CAD981963358

Relative:
Higher

RCRA-LQG:

Date form received by agency: 06/22/2008

Facility name: CITY HALL EAST

Facility address: 200 N. MAIN STREET
LOS ANGELES, CA 90012

EPA ID: CAD981963358

Mailing address: 111 E. FIRST STREET ROOM 600
LOS ANGELES, CA 90012

Contact: HELGA MAXWELL

Contact address: Not reported

Contact address: Not reported

Contact country: US

Actual:
299 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY HALL EAST (Continued)

1000172456

Contact telephone: (213) 978-3791
Contact email: HELGA.MAXWELL@LACITY.ORG
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1957
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: 111 E. FIRST STREET, ROOM 600
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1957
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY HALL EAST (Continued)

1000172456

. Waste name: TETRACHLOROETHYLENE

Historical Generators:

Date form received by agency: 02/15/2006

Site name: CITY HALL EAST

Classification: Large Quantity Generator

. Waste code: 135

. Waste name: 135

. Waste code: 151

. Waste name: 151

. Waste code: 221

. Waste name: 221

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY HALL EAST (Continued)

1000172456

Date form received by agency: 02/15/2006
Site name: CITY HALL EAST
Classification: Small Quantity Generator

Date form received by agency: 02/26/2004
Site name: CITY HALL EAST
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Date form received by agency: 03/29/2002
Site name: CITY OF LOS ANGELES
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: 134

. Waste code: 221
. Waste name: 221

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Date form received by agency: 09/01/1996
Site name: LA CITY HALL EAST
Classification: Large Quantity Generator

Date form received by agency: 03/09/1987
Site name: LA CITY HALL EAST
Classification: Small Quantity Generator

Violation Status: No violations found

HIST UST:

File Number: 00027677
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027677.pdf>
Region: STATE
Facility ID: 00000047106
Facility Type: Other
Other Type: GOVERNMENT
Contact Name: DAVE FERM
Telephone: 2134852357

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY HALL EAST (Continued)

1000172456

Owner Name: LOS ANGELES CITY
Owner Address: 200 N. MAIN ST
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0006

Tank Num: 001
Container Num: #1
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: #6
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY HALL EAST (Continued)

1000172456

Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

AF155
SW
1/8-1/4
0.248 mi.
1308 ft.

LA CITY REPAIR SHOPS
800 CITY HALL E 200 N MAIN ST
LOS ANGELES, CA 90012

RCRA-SQG **1000172450**
FINDS **CAD981614407**
ECHO

Site 2 of 4 in cluster AF

Relative:
Higher

RCRA-SQG:

Actual:
299 ft.

Date form received by agency: 09/01/1996
 Facility name: LA CITY REPAIR SHOPS
 Facility address: 800 CITY HALL E 200 N MAIN ST
 LOS ANGELES, CA 90012
 EPA ID: CAD981614407
 Mailing address: CITY HALL E 200 N MAIN ST
 LOS ANGELES, CA 90012
 Contact: Not reported
 Contact address: Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA CITY REPAIR SHOPS (Continued)

1000172450

Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002724179

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000172450
 Registry ID: 110002724179
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002724179

**AF156
 SW
 1/8-1/4
 0.248 mi.
 1308 ft.**

**LOS ANGELES CITY OF BUR SANITATION
 200 N MAIN ST CHE RM 1410
 LOS ANGELES, CA 90012**

**RCRA-SQG 1000102048
 FINDS CAD107729972
 ECHO**

Site 3 of 4 in cluster AF

**Relative:
 Higher**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: LOS ANGELES CITY OF BUR SANITATION
 Facility address: 200 N MAIN ST CHE RM 1410
 LOS ANGELES, CA 90012
 EPA ID: CAD107729972
 Mailing address: N MAIN ST CHE RM 1410
 LOS ANGELES, CA 90012
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

**Actual:
 299 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY OF BUR SANITATION (Continued)

1000102048

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002667132

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

LOS ANGELES CITY OF BUR SANITATION (Continued)

1000102048

ECHO:
 Envid: 1000102048
 Registry ID: 110002667132
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002667132

**AF157
 SW
 1/8-1/4
 0.248 mi.
 1308 ft.**

**LOS ANGELES CITY, BUR ST MAINT
 200 N MAIN ST, RM 1500 CHE
 LOS ANGELES, CA 90012**

**RCRA-LQG 1007199189
 CAD981375207**

Site 4 of 4 in cluster AF

**Relative:
 Higher**

RCRA-LQG:
 Date form received by agency: 03/16/1990
 Facility name: LOS ANGELES CITY, BUR ST MAINT
 Facility address: 200 N MAIN ST, RM 1500 CHE

**Actual:
 299 ft.**

LOS ANGELES, CA 90012
 EPA ID: CAD981375207
 Contact: BERTHA S JACKSON
 Contact address: Not reported
 Not reported
 Contact country: US
 Contact telephone: (213) 485-5630
 Contact email: Not reported
 EPA Region: 09
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

158
NE
1/4-1/2
0.259 mi.
1368 ft.

THE CALIFORNIA ENDOWMENT TERMINAL
1000 ALAMEDA ST. N.
LOS ANGELES, CA 90012

LUST S109117741
N/A

Relative:
Higher

LUST:

Actual:
292 ft.

Region: STATE
Global Id: T0603790166
Latitude: 34.059482
Longitude: -118.236796
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/30/2008
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120489
LOC Case Number: 35965
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603790166
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603790166
Contact Type: Regional Board Caseworker
Contact Name: YI LU
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: ylu@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603790166
Status: Open - Case Begin Date
Status Date: 09/15/2001

Global Id: T0603790166
Status: Open - Site Assessment
Status Date: 09/15/2001

Global Id: T0603790166
Status: Open - Site Assessment
Status Date: 04/11/2002

Global Id: T0603790166

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE CALIFORNIA ENDOWMENT TERMINAL (Continued)

S109117741

Status: Open - Site Assessment
Status Date: 12/11/2007

Global Id: T0603790166
Status: Completed - Case Closed
Status Date: 09/30/2008

Regulatory Activities:

Global Id: T0603790166
Action Type: ENFORCEMENT
Date: 09/26/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0603790166
Action Type: ENFORCEMENT
Date: 09/30/2008
Action: Closure/No Further Action Letter

Global Id: T0603790166
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603790166
Action Type: Other
Date: 12/02/2004
Action: Leak Discovery

Global Id: T0603790166
Action Type: Other
Date: 12/02/2004
Action: Leak Reported

Global Id: T0603790166
Action Type: RESPONSE
Date: 05/10/2008
Action: Other Report / Document

Global Id: T0603790166
Action Type: REMEDIATION
Date: 01/01/2005
Action: Excavation

Global Id: T0603790166
Action Type: ENFORCEMENT
Date: 04/11/2008
Action: Staff Letter

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

AG159 **76 PRODUCTS STATION #1099**
West **200 HILL**
1/4-1/2 **LOS ANGELES, CA 90033**
0.261 mi.
1377 ft. **Site 1 of 3 in cluster AG**

HIST CORTESE **S105024620**
N/A

Relative: HIST CORTESE:
Higher Region: CORTESE
 Facility County Code: 19
Actual: Reg By: LTNKA
342 ft. Reg Id: 911060025

AG160 **LOS ANGELES CITY-TUJUNGA & SHE**
West **500' E TUJUNGA, 500' N SHERMAN**
1/4-1/2 **LOS ANGELES, CA**
0.274 mi.
1445 ft. **Site 2 of 3 in cluster AG**

WMUDS/SWAT **S100839295**
N/A

Relative: WMUDS/SWAT:
Higher Edit Date: Not reported
 Complexity: Not reported
Actual: Primary Waste: Not reported
341 ft. Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: Not reported
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False
 Waste List: False
 Agency Type: Not reported
 Agency Name: CITY OF LOS ANGELES
 Agency Department: Not reported
 Agency Address: Not reported
 Agency City,St,Zip: Not reported
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Land Owner Name: Not reported
 Land Owner Address: Not reported
 Land Owner City,St,Zip: CA
 Land Owner Contact: Not reported
 Land Owner Phone: Not reported
 Region: 4
 Facility Type: Not reported
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: Not reported
 Primary SIC: Not reported
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: False
 Solid Waste Assessment Test Program: True
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: CITY OF LOS ANGELES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES CITY-TUJUNGA & SHE (Continued)

S100839295

Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: LT
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190236NUR
Solid Waste Information ID: Not reported

AG161
West
1/4-1/2
0.274 mi.
1445 ft.

LA CO HALL OF ADMINIST.
500 TEMPLE ST W
LOS ANGELES, CA 90012

LUST **S102432399**
HIST CORTESE **N/A**

Site 3 of 3 in cluster AG

Relative:
Higher

LUST:

Actual:
341 ft.

Region: STATE
Global Id: T0603700533
Latitude: 34.056684
Longitude: -118.246368
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/06/1990
Lead Agency: LOS ANGELES, CITY OF
Case Worker: EL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120389
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700533
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700533
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700533

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO HALL OF ADMINIST. (Continued)

S102432399

Status: Open - Case Begin Date
Status Date: 10/09/1986

Global Id: T0603700533
Status: Open - Site Assessment
Status Date: 11/10/1987

Global Id: T0603700533
Status: Completed - Case Closed
Status Date: 09/06/1990

Regulatory Activities:

Global Id: T0603700533
Action Type: Other
Date: 11/10/1987
Action: Leak Reported

Global Id: T0603700533
Action Type: Other
Date: 10/09/1986
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120389
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700533
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: GRAND
Enforcement Type: Not reported
Date Leak Discovered: 10/9/1986
Date Leak First Reported: 11/10/1987
Date Leak Record Entered: 5/11/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/6/1990
Date the Case was Closed: 9/6/1990
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Piping
Operator: SARACCO, STEVE
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 1525.2275374567153284021524833
Source of Cleanup Funding: Piping

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA CO HALL OF ADMINIST. (Continued)

S102432399

Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 11/10/1987
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: L.A. COUNTY HALL OF ADMINIST.
 RP Address: 500 WEST TEMPLE AVE, LOS ANGELES, CA 90012
 Program: LUST
 Lat/Long: 34.0573048 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600649-001GEN
 Summary: Not reported

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120389

AH162 MOBIL #11-H41 (FORMER)
North 774 BROADWAY N
1/4-1/2 MONTECITO HEIGHTS, CA 90012
0.274 mi.
1448 ft. Site 1 of 3 in cluster AH

LUST S102433578
N/A

Relative: LUST:
Higher Region: STATE
 Global Id: T0603700793
Actual: Latitude: 34.0618867789505
306 ft. Longitude: -118.23820316244
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/26/1996
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Case Worker: Not reported
 Local Agency: LOS ANGELES, CITY OF
 RB Case Number: 900310125
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-H41 (FORMER) (Continued)

S102433578

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700793
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700793
Status: Open - Case Begin Date
Status Date: 07/26/1990

Global Id: T0603700793
Status: Open - Site Assessment
Status Date: 07/26/1990

Global Id: T0603700793
Status: Open - Site Assessment
Status Date: 01/14/1992

Global Id: T0603700793
Status: Open - Site Assessment
Status Date: 11/18/1994

Global Id: T0603700793
Status: Completed - Case Closed
Status Date: 09/26/1996

Regulatory Activities:

Global Id: T0603700793
Action Type: Other
Date: 07/26/1990
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900310125
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700793
W Global ID: Not reported
Staff: BRC
Local Agency: 19050

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-H41 (FORMER) (Continued)

S102433578

Cross Street: ALPINE ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 7/26/1990
Date Leak Record Entered: 12/18/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/26/1996
Date the Case was Closed: 9/26/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: OLD#121890-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1058.5928044614666782779373472
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 7/26/1990
Preliminary Site Assessment Began: 1/14/1992
Pollution Characterization Began: 11/18/1994
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MOBIL OIL CORP.
RP Address: 3700 190TH ST W, TPT2, TORRANCE CA 90509-2929
Program: SLIC
Lat/Long: 34.432839 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: REBUILD L. A. CASE.

AH163
North
1/4-1/2
0.274 mi.
1448 ft.

MORIO MATO
774 N BROADWAY
LOS ANGELES, CA 90012
Site 2 of 3 in cluster AH

SLIC U001560530
HIST UST N/A

Relative:
Higher

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/01/1965
Global Id: SLT43318316
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported

Actual:
306 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MORIO MATO (Continued)

U001560530

Latitude: 34.061901
Longitude: -118.238083
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0497
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

File Number: 00027DD1
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027DD1.pdf>
Region: STATE
Facility ID: 00000039971
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2136285838
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 4
Year Installed: 1983
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 3
Year Installed: 1983
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 1
Year Installed: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MORIO MATO (Continued)

U001560530

Tank Capacity: 00000280
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

AH164
 North
 1/4-1/2
 0.274 mi.
 1448 ft.

MOBIL OIL CORP.
774 BROADWAY
LOS ANGELES, CA 90012

SLIC S103546841
N/A

Site 3 of 3 in cluster AH

Relative:
Higher

SLIC REG 4:
 Region: 4
 Facility Status: No further action required

Actual:
306 ft.

SLIC: 0497
 Substance: TPH/B
 Staff: JTL

AI165
 ESE
 1/4-1/2
 0.279 mi.
 1473 ft.

SO CAL GAS/ALISO A MGP
KELLER ST., VIGNES ST., AND 101 FREEWAY
LOS ANGELES, CA 90012

EDR MGP 1008407703
N/A

Site 1 of 4 in cluster AI

Relative:
Lower

Manufactured Gas Plants:
 The site was used for gas manufacturing beginning in approximately 1875 and ending in 1946. Expected contaminants include lampblack, tars, petroleum hydrocarbons, and possibly cyanide. The site is fully paved and there is no route of exposure unless construction occurs.

Actual:
279 ft.

AJ166
 SW
 1/4-1/2
 0.295 mi.
 1558 ft.

BANDINI CANYON POCKET PARK
O'FARRELL AND BANDINI
LOS ANGELES, CA 90001

US BROWNFIELDS 1016350973
FINDS N/A

Site 1 of 3 in cluster AJ

Relative:
Higher

US BROWNFIELDS:
 Recipient name: Los Angeles, City of
 Grant type: Assessment
 Property name: BANDINI CANYON POCKET PARK
 Property #: Not reported
 Parcel size: 1
 Property Description: Not reported
 Latitude: 34.0522
 Longitude: -118.2428
 HCM label: Not reported
 Map scale: Not reported
 Point of reference: Not reported
 Datum: Not reported
 ACRES property ID: 11453
 Start date: Not reported
 Completed date: Not reported
 Acres cleaned up: Not reported

Actual:
285 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANDINI CANYON POCKET PARK (Continued)

1016350973

Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	Not reported
Assessment funding source:	Not reported
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	98912501
Ownership entity:	Not reported
Current owner:	City of Los Angeles
Did owner change:	Y
Cleanup required:	Not reported
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANDINI CANYON POCKET PARK (Continued)

1016350973

Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported
# Below Poverty:	2187
% Below Poverty:	3.1%
# Low Income:	3408
% Low Income:	2.0%
Meidan Income:	1769
# Unemployed:	188

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BANDINI CANYON POCKET PARK (Continued)

1016350973

% Unemployed: 36.1%
 # Vacant Housing: 820
 % Vacant Housing: 8.3%

FINDS:

Registry ID: 110039529800

Environmental Interest/Information System
 US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
 is a federal online database for Brownfields Grantees to
 electronically submit data directly to EPA.

**AI167
 ESE
 1/4-1/2
 0.303 mi.
 1599 ft.**

**ALISO SECTOR A DENNY'S PARCEL
 530 RAMIREZ STREET
 LOS ANGELES, CA 90012**

**ENVIROSTOR S103988355
 VCP N/A
 DEED**

Site 2 of 4 in cluster AI

**Relative:
 Lower**

ENVIROSTOR:
 Facility ID: 60001379
 Status: Certified / Operation & Maintenance
 Status Date: 02/19/2000
 Site Code: 301005
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.4
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05473
 Longitude: -118.2318
 APN: NONE SPECIFIED
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: TPH-diesel TPH-MOTOR OIL
 Confirmed COC: TPH-diesel TPH-MOTOR OIL
 Potential Description: OTH
 Alias Name: 301005
 Alias Type: Project Code (Site Code)
 Alias Name: 60001379
 Alias Type: Envirostor ID Number

**Actual:
 277 ft.**

Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/11/2015
 Comments: completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO SECTOR A DENNY'S PARCEL (Continued)

S103988355

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2000
Comments: RACR approved.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2017

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001379
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301005
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 02/19/2000
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05473 / -118.2318
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30024, 3002502
Confirmed COC: 30024,3002502
Potential Description: OTH
Alias Name: 301005
Alias Type: Project Code (Site Code)
Alias Name: 60001379
Alias Type: Envirostor ID Number

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO SECTOR A DENNY'S PARCEL (Continued)

S103988355

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/20/2000
Comments: RACR approved.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2017

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 60001379
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 01/04/2017

**AI168
ESE
1/4-1/2
0.306 mi.
1615 ft.**

**SO CAL GAS/ALISO MGP, SECTOR A - WEST PARCEL
KELLER ST, VIGNES ST, AND 101 FREEWAY
LOS ANGELES, CA 90012**

**ENVIROSTOR S102564460
VCP N/A**

Site 3 of 4 in cluster AI

**Relative:
Lower**

ENVIROSTOR:
Facility ID: 19490235
Status: Active
Status Date: 10/02/2008
Site Code: 300456
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

**Actual:
280 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - WEST PARCEL (Continued)

S102564460

Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 30
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05008
Longitude: -118.2531
APN: 5409-022-905
Past Use: MANUFACTURED GAS PLANT
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Toluene Xylenes Zinc
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: ALISO STREET TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: ALISO/RAMIREZ
Alias Type: Alternate Name
Alias Name: ALISO/RAMIREZ ST. TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: LOS ANGELES GAS AND ELECTRIC
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO-RAMIREZ MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/RAMIREZ MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 5409-022-905
Alias Type: APN
Alias Name: 110033609414
Alias Type: EPA (FRS #)
Alias Name: 300456
Alias Type: Project Code (Site Code)
Alias Name: 19490235
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/01/2007
Comments: VOC & PAH contaminated soil removed. Residual contamination to be addressed in overall groundwater investigation proposed for the entire 52-acre site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/16/1998
Comments: On June 16, 1998, DTSC approved the RAW for removal of contaminated soil at the site. Approximately 9000 cubic yards of contaminated soil will be removed. Soil contamination includes PAHs, VOCs and Metals.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - WEST PARCEL (Continued)

S102564460

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 03/27/1997
Comments: RI/FS for soil only. Groundwater to be evaluated as part of the Towne Gas Study. Interim measures include, capping and removal of contaminated soil from top two feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-064 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/07/1997
Comments: DTSC and The Gas Company signed a Consent Order calling for the preparation of a Removal Action Workplan and the implementation of a remedial action at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/16/1994
Comments: A Remedial Action Consent Order is executed by the Department. The Order provides for the completion of a Remedial Investigation/Feasibility Study to determine the extent of removal/remedial action necessary to allow planned highway construction.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 19490235
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - WEST PARCEL (Continued)

S102564460

National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300456
Assembly: 53
Senate: 30
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 10/02/2008
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05008 / -118.2531
APN: 5409-022-905
Past Use: MANUFACTURED GAS PLANT
Potential COC: 10196, 30003, 30013, 30019, 30024, 30025, 30550, 30593, 30594
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: ALISO STREET TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: ALISO/RAMIREZ
Alias Type: Alternate Name
Alias Name: ALISO/RAMIREZ ST. TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: LOS ANGELES GAS AND ELECTRIC
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO-RAMIREZ MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/RAMIREZ MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 5409-022-905
Alias Type: APN
Alias Name: 110033609414
Alias Type: EPA (FRS #)
Alias Name: 300456
Alias Type: Project Code (Site Code)
Alias Name: 19490235
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/01/2007
Comments: VOC & PAH contaminated soil removed. Residual contamination to be addressed in overall groundwater investigation proposed for the entire 52-acre site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO MGP, SECTOR A - WEST PARCEL (Continued)

S102564460

Completed Date: 06/16/1998
Comments: On June 16, 1998, DTSC approved the RAW for removal of contaminated soil at the site. Approximately 9000 cubic yards of contaminated soil will be removed. Soil contamination includes PAHs, VOCs and Metals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 03/27/1997
Comments: RI/FS for soil only. Groundwater to be evaluated as part of the Towne Gas Study. Interim measures include, capping and removal of contaminated soil from top two feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-064 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/07/1997
Comments: DTSC and The Gas Company signed a Consent Order calling for the preparation of a Removal Action Workplan and the implementation of a remedial action at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/16/1994
Comments: A Remedial Action Consent Order is executed by the Department. The Order provides for the completion of a Remedial Investigation/Feasibility Study to determine the extent of removal/remedial action necessary to allow planned highway construction.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AI169
ESE
1/4-1/2
0.306 mi.
1618 ft.

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER
TEMPLE/VIGNES/LYON/KELLER/ALHAMBRA STS.
LOS ANGELES, CA 90013

ENVIROSTOR S107737359
VCP N/A

Site 4 of 4 in cluster AI

Relative:
Lower

ENVIROSTOR:

Facility ID: 19490248
Status: Active
Status Date: 01/19/2001
Site Code: 300885
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 52
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05369
Longitude: -118.2320
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs 1,3-Butadiene
Styrene Toluene Xylenes Zinc

Confirmed COC: NONE SPECIFIED

Potential Description: OTH, SOIL

Alias Name: ALISO STREET FORMER MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO STREET FORMER MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: THE GAS COMPANY
Alias Type: Alternate Name
Alias Name: 110033609478
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 19490248
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/1997
Comments: DTSC and the Southern California Gas Company executed a Consent Order for a Preliminary Endangerment Assessment for Sector C of the former Aliso Street Manufactured Gas Plant site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/22/1999
Comments: Contamination found in both soil and groundwater. Contaminants include PAH's, VOC's and metals. RI recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 11/29/2011
Comments: Geo needs more time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/18/2016
Comments: Report Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/12/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Comments: DTSC approved the Aliso 2012 GW Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2015
Comments: Report Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/19/2016
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/29/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 07/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014
Comments: Cost estimate for FY 2014-2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: DTSC entered into a "Master" Voluntary Cleanup Agreement (Docket No. HSA-A 00/01-173) with the Southern California Gas Company (The Gas Company) (Proponent). The purpose of this Agreement is for The Gas Company, as a former owner and/or operator of the Aliso Street Former Manufactured Gas Plant site, to conduct and complete all necessary remedial investigations, removal actions, and/or remedial actions under the oversight of DTSC. All previous agreements for the Aliso Street Former MGP Site are hereby terminated. (VCA for Sectors A, B, C, D, and E.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19490248
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 52
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300885
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05369 / -118.2320
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30100, 30525, 30550, 30593, 30594
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: ALISO STREET FORMER MGP
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO STREET FORMER MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: THE GAS COMPANY
Alias Type: Alternate Name
Alias Name: 110033609478
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 19490248
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/1997
Comments: DTSC and the Southern California Gas Company executed a Consent Order for a Preliminary Endangerment Assessment for Sector C of the former Aliso Street Manufactured Gas Plant site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/22/1999
Comments: Contamination found in both soil and groundwater. Contaminants include PAH's, VOC's and metals. RI recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 11/29/2011
Comments: Geo needs more time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/29/2013
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/18/2016
Comments: Report Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/12/2013
Comments: DTSC approved the Aliso 2012 GW Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2015
Comments: Report Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/19/2016
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/29/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 07/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014
Comments: Cost estimate for FY 2014-2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CAL GAS/ALISO SITE-WIDE - GROUNDWATER (Continued)

S107737359

Completed Date: 01/19/2001
 Comments: DTSC entered into a "Master" Voluntary Cleanup Agreement (Docket No. HSA-A 00/01-173) with the Southern California Gas Company (The Gas Company) (Proponent). The purpose of this Agreement is for The Gas Company, as a former owner and/or operator of the Aliso Street Former Manufactured Gas Plant site, to conduct and complete all necessary remedial investigations, removal actions, and/or remedial actions under the oversight of DTSC. All previous agreements for the Aliso Street Former MGP Site are hereby terminated. (VCA for Sectors A, B, C, D, and E.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Amendment - Order/Agreement
 Completed Date: 01/04/1999
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AJ170
 SW
 1/4-1/2
 0.311 mi.
 1642 ft.

**CHANDLER LEASE PROPERTY
 MAIN ST
 LOS ANGELES, CA 90061**
 Site 2 of 3 in cluster AJ

**SLIC S105651003
 CHMIRS N/A**

Relative:
 Higher

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 08/12/1996
 Global Id: SLT43191189
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 33.920686
 Longitude: -118.274002
 Case Type: Cleanup Program Site
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 0292
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Actual:
 288 ft.

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:
 OES Incident Number: 7-1921
 OES notification: 05/14/1997
 OES Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANDLER LEASE PROPERTY (Continued)

S105651003

OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	MTA
Incident Date:	5/10/199712:00:00 AM
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Diesel Fuel
Gallons:	10
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	3
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANDLER LEASE PROPERTY (Continued)

S105651003

#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fataals: Not reported
Comments: Not reported
Description: Bus and Car collision, bus fuel tank ruptured, 3 injuries from accident, not fuel spill

AK171 SE 1/4-1/2 0.314 mi. 1657 ft. **SO CAL GAS/ALISO SECTOR C, BLOCK G NORTHWEST CORNER OF COMMERCIAL AND CENTER STREETS LOS ANGELES, CA 90012**

ENVIROSTOR S107737354
VCP N/A

Site 1 of 2 in cluster AK

**Relative:
Lower**

ENVIROSTOR:

**Actual:
274 ft.**

Facility ID: 60000173
Status: Active
Status Date: 01/19/2001
Site Code: 300885
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05315
Longitude: -118.2321
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc
Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 110033609423
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000173
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK G (Continued)

S107737354

Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/20/2005
Comments: Block G - DTSC approved the RI dated 11 Nov 04. Public Participation activities were completed for Sector C, Block G of the former Aliso Street MGP site. Activities included a community profile, notices, fact sheets during the course of the investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/20/2005
Comments: Completed.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60000173
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300885
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05315 / -118.2321
APN: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK G (Continued)

S107737354

Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 110033609423
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000173
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/20/2005
Comments: Block G - DTSC approved the RI dated 11 Nov 04. Public Participation activities were completed for Sector C, Block G of the former Aliso Street MGP site. Activities included a community profile, notices, fact sheets during the course of the investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/20/2005
Comments: Completed.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

172
 WSW
 1/4-1/2
 0.314 mi.
 1659 ft.

ADELANTE EASTSIDE
100 BROADWAY S
LOS ANGELES, CA 90012

US BROWNFIELDS 1016351152
FINDS N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
300 ft.

Recipient name:	Los Angeles, City of
Grant type:	Assessment
Property name:	ADELANTE EASTSIDE
Property #:	Not reported
Parcel size:	2200
Property Description:	Not reported
Latitude:	34.05329
Longitude:	-118.245009
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	11458
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	Not reported
Assessment funding source:	Not reported
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	98912501
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Not reported
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADELANTE EASTSIDE (Continued)

1016351152

Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ADELANTE EASTSIDE (Continued)

1016351152

No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported
# Below Poverty:	708
% Below Poverty:	4.9%
# Low Income:	1552
% Low Income:	2.2%
Meidan Income:	12966
# Unemployed:	337
% Unemployed:	10.2%
# Vacant Housing:	337
% Vacant Housing:	10.2%

FINDS:

Registry ID: 110039532459

Environmental Interest/Information System
 US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
 is an federal online database for Brownfields Grantees to
 electronically submit data directly to EPA.

173
 WNW
 1/4-1/2
 0.316 mi.
 1666 ft.

CATHEDRAL CHURCH
555 TEMPLE
LOS ANGELES, CA 90012

SLIC S103547098
N/A

Relative:
Higher

SLIC REG 4:
 Region: 4
 Facility Status: No further action required
 SLIC: 0827
 Substance: VOCs
 Staff: JTL

Actual:
392 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AL174
SSW
1/4-1/2
0.317 mi.
1674 ft.

NORTHERN TRANSPORTATION CO.
LOS ANGELES, CA
Site 1 of 2 in cluster AL

ENVIROSTOR S107736917
N/A

Relative:
Lower

ENVIROSTOR:

Facility ID: 80001119
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.05
Longitude: -118.2388
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA44800
Alias Type: Federal Facility ID
Alias Name: J09CA7421
Alias Type: INPR
Alias Name: 80001119
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 05/24/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AJ175 **LOS ANGELES AFS** **LUST** **S106517223**
SW **LOS ANGELES, CA** **MCS** **N/A**
1/4-1/2
0.320 mi.
1690 ft. **Site 3 of 3 in cluster AJ**

Relative: LUST REG 4:
Higher Region: 4
 Regional Board: 04
Actual: County: Los Angeles
290 ft. Facility Id: Not reported
 Status: Not reported
 Substance: Not reported
 Substance Quantity: Not reported
 Local Case No: 300086
 Case Type: Not reported
 Abatement Method Used at the Site: Not reported
 Global ID: T0603737987
 W Global ID: Not reported
 Staff: SSH
 Local Agency: Not reported
 Cross Street: Not reported
 Enforcement Type: Not reported
 Date Leak Discovered: Not reported
 Date Leak First Reported: Not reported
 Date Leak Record Entered: Not reported
 Date Confirmation Began: Not reported
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: Not reported
 Date the Case was Closed: Not reported
 How Leak Discovered: Not reported
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Operator: Not reported
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): Not reported
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: Chris PhillRPs
 RP Address: Not reported
 Program: DOD
 Lat/Long: Not reported
 Local Agency Staff: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES AFS (Continued)

S106517223

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

MCS:

Global Id: T0603737987
Latitude: 34.05223
Longitude: -118.2436
Case Type: Military Cleanup Site
Status: Open - Inactive
Status Date: 01/01/1965
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Caseworker: Not reported
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: Not reported
LOC Case Number: 300086
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: T0603737987
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**AM176
NNE
1/4-1/2
0.322 mi.
1700 ft.**

**FANSTEEL CA DROP FORGE
1033 ALHAMBRA AVE
LOS ANGELES, CA 90012
Site 1 of 2 in cluster AM**

**RCRA-SQG 1000388388
FINDS CAD981400328
EMI
HIST CORTESE
NPDES
WDS
ECHO**

**Relative:
Higher**

RCRA-SQG:

**Actual:
293 ft.**

Date form received by agency: 02/24/2004
Facility name: CALIFORNIA DROP FORGE INC
Facility address: 1033 ALHAMBRA AVE
LOS ANGELES, CA 90012
EPA ID: CAD981400328
Contact: MANUEL E RICO
Contact address: 1033 ALHAMBRA AVE
LOS ANGELES, CA 90012
Contact country: US
Contact telephone: 323-221-1134
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CAL DROP FORGE INC

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/07/2003
Owner/Op end date: Not reported

Owner/operator name: CAL DROP FORGE INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/07/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 04/25/1986
Site name: FANSTEEL CALIFORNIA DROP FORGE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001153162

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 22047

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 5
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 22047
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.861064
Reactive Organic Gases Tons/Yr: 0.38
Carbon Monoxide Emissions Tons/Yr: 3.983
NOX - Oxides of Nitrogen Tons/Yr: 2.5675
SOX - Oxides of Sulphur Tons/Yr: 0.0372332
Particulate Matter Tons/Yr: 0.7323
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.7

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.578859809375951598
Reactive Organic Gases Tons/Yr: .772
Carbon Monoxide Emissions Tons/Yr: 7.358
NOX - Oxides of Nitrogen Tons/Yr: 4.28
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.257
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.18762

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.578859809375951598
Reactive Organic Gases Tons/Yr: .772
Carbon Monoxide Emissions Tons/Yr: 7.358
NOX - Oxides of Nitrogen Tons/Yr: 4.28
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.257
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.18762

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.263752479372745607
Reactive Organic Gases Tons/Yr: 1.894139
Carbon Monoxide Emissions Tons/Yr: 12.20007
NOX - Oxides of Nitrogen Tons/Yr: 3.520020274501169265
SOX - Oxides of Sulphur Tons/Yr: .1500012
Particulate Matter Tons/Yr: 1.950015
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.95001425

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.89843477705053498
Reactive Organic Gases Tons/Yr: 0.471729999999999998
Carbon Monoxide Emissions Tons/Yr: 4.2017499999999997
NOX - Oxides of Nitrogen Tons/Yr: 2.3409779999999998
SOX - Oxides of Sulphur Tons/Yr: 2.7310000000000001E-2
Particulate Matter Tons/Yr: 0.41037499999999999
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.41035624999999998

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.0123679420082901
Reactive Organic Gases Tons/Yr: 0.5226899999999999999
Carbon Monoxide Emissions Tons/Yr: 4.71828
NOX - Oxides of Nitrogen Tons/Yr: 2.4659800000000001
SOX - Oxides of Sulphur Tons/Yr: 3.6859999999999997E-2
Particulate Matter Tons/Yr: 0.46578000000000003
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.46576149999999999

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2715573599
Reactive Organic Gases Tons/Yr: 0.63291
Carbon Monoxide Emissions Tons/Yr: 6.25548

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

NOX - Oxides of Nitrogen Tons/Yr: 2.98548
SOX - Oxides of Sulphur Tons/Yr: 0.04845
Particulate Matter Tons/Yr: 0.6124
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.612374

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.1014484068
Reactive Organic Gases Tons/Yr: 0.56109
Carbon Monoxide Emissions Tons/Yr: 5.1079
NOX - Oxides of Nitrogen Tons/Yr: 2.62098
SOX - Oxides of Sulphur Tons/Yr: 0.0407
Particulate Matter Tons/Yr: 0.51439
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.51412

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 138568
Air District Name: SC
SIC Code: 3462
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.0734995674
Reactive Organic Gases Tons/Yr: 0.54929
Carbon Monoxide Emissions Tons/Yr: 4.90225
NOX - Oxides of Nitrogen Tons/Yr: 2.65798
SOX - Oxides of Sulphur Tons/Yr: 0.03947
Particulate Matter Tons/Yr: 0.49888
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.498856

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 3181

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 191630
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 191018467
Program Type: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	11/13/2003
STATUS CODE NAME:	Active
STATUS DATE:	11/13/2003
PLACE SIZE:	79700
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Matt Oldenkamp
FACILITY CONTACT TITLE:	General Manager / President
FACILITY CONTACT PHONE:	323-221-1134
FACILITY CONTACT PHONE EXT:	270
FACILITY CONTACT EMAIL:	moldenkamp@hbdeo.com
OPERATOR NAME:	California Drop Forge Inc
OPERATOR ADDRESS:	1033 Alhambra Ave
OPERATOR CITY:	Los Angeles
OPERATOR STATE:	California
OPERATOR ZIP:	90012
OPERATOR CONTACT NAME:	Matt Oldenkamp
OPERATOR CONTACT TITLE:	General Mgr. / President
OPERATOR CONTACT PHONE:	323-221-1134
OPERATOR CONTACT PHONE EXT:	270
OPERATOR CONTACT EMAIL:	moldenkamp@hbdeo.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	323-636-6620
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Robert Galbraith
CERTIFIER TITLE:	Safety manager
CERTIFICATION DATE:	08-JUN-15
PRIMARY SIC:	3462-Iron and Steel Forgings
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	191630
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I018467
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/13/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	California Drop Forge Inc
Discharge Address:	1033 Alhambra Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERCIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESCRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

WDS:

Facility ID: 4 19I009415
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3233431968
Facility Contact: Robert Groner
Agency Name: FANSTEEL-CALIFORNIA DROP FORGE
Agency Address: 1033 Alhambra Avenue
Agency City,St,Zip: Los Angeles 90012
Agency Contact: Robert Groner
Agency Telephone: 3232211134
Agency Type: Private
SIC Code: 3462
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FANSTEEL CA DROP FORGE (Continued)

1000388388

POTW: The facility is not a POTW.
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

ECHO:
 Envid: 1000388388
 Registry ID: 110001153162
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001153162

AL177
South
1/4-1/2
0.325 mi.
1715 ft.

ALAMEDA STREET WIDENING (HARRY BRIDGES)
201 N ALAMEDA ST 90744
LOS ANGELES, CA 90744

US BROWNFIELDS 1019910730
N/A

Site 2 of 2 in cluster AL

Relative:
Lower

US BROWNFIELDS:
 Recipient name: Los Angeles - Dept of Public Works, City of
 Grant type: Assessment
 Property name: ALAMEDA STREET WIDENING (HARRY BRIDGES)
 Property #: Not reported
 Parcel size: 2.5
 Property Description: Property is located on Alameda Street between Anaheim Street and Harry Bridges Blvd. In the Wilmington area and in close proximity to the Port of Los Angeles. The strip of property is 17 feet wide and approximately 1,500 feet long. The portion of the alignment north of East E Street was developed prior to 1947 into its current configuration as a paved four-lane highway, paralleling a single rail line to the west. Alameda Street was a dirt road south of East E Street until approximately 1950. Ownership is City Of Los Angeles.

Actual:
271 ft.

Latitude: 33.7715747
 Longitude: -118.2567039
 HCM label: Address Matching-House Number
 Map scale: Not reported
 Point of reference: Entrance Point of a Facility or Station
 Datum: North American Datum of 1983
 ACRES property ID: 170651
 Start date: Not reported
 Completed date: Not reported
 Acres cleaned up: Not reported
 Cleanup funding: Not reported
 Cleanup funding source: Not reported
 Assessment funding: 5495
 Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
 Redevelopment funding: Not reported
 Redev. funding source: Not reported
 Redev. funding entity name: Not reported
 Redevelopment start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA STREET WIDENING (HARRY BRIDGES) (Continued)

1019910730

Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Petroleum
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00T51701
Ownership entity:	Government
Current owner:	City Of L.A.
Did owner change:	N
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	U
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMEDA STREET WIDENING (HARRY BRIDGES) (Continued)

1019910730

Past use residential acreage:	Not reported
Past use commercial acreage:	2.5
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	2.5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Highlights:	Not reported
IC Data Address:	Not reported
Redev Completion Date:	Not reported
# Below Poverty:	182
% Below Poverty:	2.8%
# Low Income:	392
% Low Income:	1.3%
Meidan Income:	668
# Unemployed:	15
% Unemployed:	34.0%
# Vacant Housing:	9
% Vacant Housing:	56.7%

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AN178 **RAMIREZ STREET INVESTIGATION**
ESE **APPROXIMATELY 400-FOOT STRETCH OF RAMIREZ STREET LOCATED BET**
1/4-1/2 **LOS ANGELES, CA 90012**
0.327 mi.
1729 ft. **Site 1 of 4 in cluster AN**

ENVIROSTOR **S116490706**
VCP **N/A**

Relative:
Lower

ENVIROSTOR:

Facility ID: 60001993
Status: Active
Status Date: 11/06/2012
Site Code: 300885-11
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.01
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05446
Longitude: -118.2313
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE)
Vinyl chloride
Confirmed COC: Benzene TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE)
Vinyl chloride
Potential Description: OTH, SOIL
Alias Name: 300885-11
Alias Type: Project Code (Site Code)
Alias Name: 60001993
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAMIREZ STREET INVESTIGATION (Continued)

S116490706

Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/18/2015
Comments: Community Survey letters mailed out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014
Comments: 2014-2015 Estimated Oversight Costs.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2018
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Initial Study/ Neg. Declaration
Schedule Due Date: 04/30/2017
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 04/30/2017
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001993
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.01
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300885-11
Assembly: 51

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAMIREZ STREET INVESTIGATION (Continued)

S116490706

Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 11/06/2012
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05446 / -118.2313
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30024, 30025, 3002502, 30027, 30028
Confirmed COC: 30003,30024,30025,3002502,30027,30028
Potential Description: OTH, SOIL
Alias Name: 300885-11
Alias Type: Project Code (Site Code)
Alias Name: 60001993
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/18/2015
Comments: Community Survey letters mailed out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RAMIREZ STREET INVESTIGATION (Continued)

S116490706

Comments: 2014-2015 Estimated Oversight Costs.

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2018
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2018
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: CEQA - Initial Study/ Neg. Declaration
 Schedule Due Date: 04/30/2017
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Remedial Action Plan
 Schedule Due Date: 04/30/2017
 Schedule Revised Date: Not reported

AN179
ESE
1/4-1/2
0.329 mi.
1735 ft.

PIPER TECHNICAL CENTER
555 RAMIREZ ST
LOS ANGELES, CA 90012
Site 2 of 4 in cluster AN

LUST U003780600
UST N/A

Relative:
Lower

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 900120398
 Status: Leak being confirmed
 Substance: Hydrocarbons
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Soil
 Abatement Method Used at the Site: Not reported
 Global ID: T0603700534
 W Global ID: W0605100649
 Staff: UNK
 Local Agency: 19050
 Cross Street: VIGNES
 Enforcement Type: Not reported
 Date Leak Discovered: 3/25/1993
 Date Leak First Reported: 3/25/1993
 Date Leak Record Entered: 3/16/1993
 Date Confirmation Began: 3/23/1993
 Date Leak Stopped: 3/25/1993
 Date Case Last Changed on Database: 3/2/2000
 Date the Case was Closed: Not reported
 How Leak Discovered: OM
 How Leak Stopped: Not reported
 Cause of Leak: Corrosion
 Leak Source: Piping
 Operator: POLICE GARAGE SP. 112
 Water System: DAVE GRIFFITH L A D W P
 Well Name: Not reported

Actual:
281 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PIPER TECHNICAL CENTER (Continued)

U003780600

Approx. Dist To Production Well (ft):	4106.5725916443823349163825553
Source of Cleanup Funding:	Piping
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CITY OF LOS ANGELES
RP Address:	SAME AS ABOVE
Program:	LUST
Lat/Long:	34.0542408 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	Not reported

UST:

Facility ID:	24163
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	34.055644
Longitude:	-118.228536

AN180
ESE
1/4-1/2
0.329 mi.
1735 ft.

SO CAL GAS/ALISO B MGP
555 RAMIREZ STREET
LOS ANGELES, CA 90012
Site 3 of 4 in cluster AN

EDR MGP 1008407704
N/A

Relative:
Lower

Manufactured Gas Plants:

Actual:
281 ft.

The former Aliso Street Manufactured Gas Plant covered approximately 52 acres in downtown Los Angeles. The site is being investigated as 5 sectors and an overall groundwater unit. The "B" sector consists of 14 acres south of the Cesar Chavez Avenue, west of Keller Street, east of Lyon Street and north of Ramirez Street. Contaminants suspected include petroleum hydrocarbons, volatile organic compounds, cyanide, polycyclic aromatic hydrocarbons and heavy metals. See also Sites 19490235, 19490240, 19490241, 19490242, 19490243, and 19490248. Sector D Former MGP Aliso Street Site History Sector D of the Aliso Street Towne Gas facility covers approximately 11 acres and was the sector historically used for lampblack pits, processing, and storage. An area of the sector was converted to 1,3-Butadiene production in the 1940s. The Metropolitan Transportation Authority (MTA) owns and currently uses the property for offices, storage, and maintenance of buses.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AN181 **SO CAL GAS/ALISO B MGP**
ESE **555 RAMIREZ STREET**
1/4-1/2 **LOS ANGELES, CA 90012**
0.329 mi.
1735 ft. **Site 4 of 4 in cluster AN**

ENVIROSTOR **S103664837**
LUST **N/A**
VCP
HIST CORTESE

Relative:
Lower

ENVIROSTOR:

Actual:
281 ft.

Facility ID: 19490244
 Status: Active
 Status Date: 01/19/2001
 Site Code: 301054
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 14
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05446
 Longitude: -118.2313
 APN: NONE SPECIFIED
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel
 TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc
 Not reported
 Confirmed COC: 30525-NO 30550-NO 30019-NO 30024-NO 30025-NO 30100-NO 30312-NO
 30003-NO 30013-NO 30593-NO 30594-NO
 Potential Description: OTH, SOIL
 Alias Name: ALISO B
 Alias Type: Alternate Name
 Alias Name: SO CAL GAS/ALISO B
 Alias Type: Alternate Name
 Alias Name: SO. CAL. GAS, ALISO B
 Alias Type: Alternate Name
 Alias Name: SOUTHERN CALIF GAS CO - ALISO B
 Alias Type: Alternate Name
 Alias Name: SOUTHERN CALIFORNIA GAS
 Alias Type: Alternate Name
 Alias Name: SOUTHERN CALIFORNIA GAS CO., ALISO B
 Alias Type: Alternate Name
 Alias Name: SOUTHERN CALIFORNIA GAS COMPANY - ALISO
 Alias Type: Alternate Name
 Alias Name: 110033609370
 Alias Type: EPA (FRS #)
 Alias Name: 300805
 Alias Type: Project Code (Site Code)
 Alias Name: 301054
 Alias Type: Project Code (Site Code)
 Alias Name: 19490244
 Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/07/2000
Comments: Soil contamination exists onsite. Contaminants include PAHs and VOCs.
A Remedial Investigation/Feasibility Study recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/29/2005
Comments: DTSC approved surface soil sampling at the Former Aliso Sector B site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/16/2007
Comments: DTSC approved RI report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/25/1999
Comments: DTSC entered into a Voluntary Cleanup Agreement with Southern California Gas Company to conduct a Preliminary Endangerment Assessment for the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Region: STATE
Global Id: T0603700534
Latitude: 34.0542408
Longitude: -118.2310237
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 03/23/1993
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120398
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700534
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700534
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

Status History:

Global Id: T0603700534
Status: Open - Case Begin Date
Status Date: 03/23/1993

Global Id: T0603700534
Status: Open - Site Assessment
Status Date: 03/23/1993

Regulatory Activities:

Global Id: T0603700534
Action Type: Other
Date: 03/25/1993
Action: Leak Stopped

Global Id: T0603700534
Action Type: RESPONSE
Date: 06/22/2000
Action: Preliminary Site Assessment Report

Global Id: T0603700534
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700534
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700534
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

Global Id:	T0603700534
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	10/01/2000
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	10/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	05/18/2000
Action:	Other Report / Document
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	06/21/2002
Action:	Other Report / Document
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	07/26/2005
Action:	Remedial Progress Report
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	03/03/2000
Action:	Other Report / Document
Global Id:	T0603700534
Action Type:	RESPONSE
Date:	10/15/2016
Action:	Monitoring Report - Quarterly
Global Id:	T0603700534
Action Type:	Other
Date:	03/25/1993
Action:	Leak Reported
Global Id:	T0603700534
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603700534
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: RESPONSE
Date: 10/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: ENFORCEMENT
Date: 08/31/2011
Action: Referral to Regional Board - #1

Global Id: T0603700534
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: ENFORCEMENT
Date: 12/12/2011
Action: Staff Letter

Global Id: T0603700534
Action Type: RESPONSE
Date: 10/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: Other
Date: 03/25/1993
Action: Leak Discovery

Global Id: T0603700534
Action Type: RESPONSE
Date: 01/12/2012
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

Global Id: T0603700534
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603700534
Action Type: RESPONSE
Date: 04/15/2016
Action: Monitoring Report - Quarterly

VCP:

Facility ID: 19490244
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 14
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301054
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05446 / -118.2313
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594
Confirmed COC: 30525-NO,30550-NO,30019-NO,30024-NO,30025-NO,30100-NO,30312-NO, 30003-NO,30013-NO,30593-NO,30594-NO
Potential Description: OTH, SOIL
Alias Name: ALISO B
Alias Type: Alternate Name
Alias Name: SO CAL GAS/ALISO B
Alias Type: Alternate Name
Alias Name: SO. CAL. GAS, ALISO B
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIF GAS CO - ALISO B
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS CO., ALISO B
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY - ALISO
Alias Type: Alternate Name
Alias Name: 110033609370
Alias Type: EPA (FRS #)
Alias Name: 300805

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO B MGP (Continued)

S103664837

Alias Type: Project Code (Site Code)
Alias Name: 301054
Alias Type: Project Code (Site Code)
Alias Name: 19490244
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/07/2000
Comments: Soil contamination exists onsite. Contaminants include PAHs and VOCs.
A Remedial Investigation/Feasibility Study recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/29/2005
Comments: DTSC approved surface soil sampling at the Former Aliso Sector B site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/16/2007
Comments: DTSC approved RI report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/25/1999
Comments: DTSC entered into a Voluntary Cleanup Agreement with Southern California Gas Company to conduct a Preliminary Endangerment Assessment for the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120398

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AO182
East
1/4-1/2
0.330 mi.
1744 ft.

ALISO MANUFACTURING GAS PLANT
600 EAST CEASAR CHAVEZ AVE.
LOS ANGELES, CA 90012

SLIC S104549285
N/A

Site 1 of 3 in cluster AO

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 01/29/2015
Global Id: SLT4L9651903
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.0562774
Longitude: -118.2308089
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0965
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
284 ft.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0965
Substance: TPH/VOCs
Staff: Not reported

183
NW
1/4-1/2
0.335 mi.
1771 ft.

MOBIL #11-HPB (FORMER)
706 SUNSET BLVD W
LOS ANGELES, CA 90012

LUST S104406271
HIST CORTESE N/A

Relative:
Higher

LUST:

Region: STATE
Global Id: T0603700514
Latitude: 33.9988591
Longitude: -118.4679799
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/23/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120189
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
358 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-HPB (FORMER) (Continued)

S104406271

Contact:

Global Id: T0603700514
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700514
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700514
Status: Open - Case Begin Date
Status Date: 06/16/1987

Global Id: T0603700514
Status: Open - Site Assessment
Status Date: 09/11/1987

Global Id: T0603700514
Status: Open - Site Assessment
Status Date: 06/27/1996

Global Id: T0603700514
Status: Completed - Case Closed
Status Date: 10/23/1996

Regulatory Activities:

Global Id: T0603700514
Action Type: Other
Date: 06/16/1987
Action: Leak Stopped

Global Id: T0603700514
Action Type: Other
Date: 09/07/1994
Action: Leak Reported

Global Id: T0603700514
Action Type: Other
Date: 06/16/1987
Action: Leak Discovery

LUST REG 4:

Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-HPB (FORMER) (Continued)

S104406271

Regional Board: 04
County: Los Angeles
Facility Id: 900120189
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700514
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: GRAND
Enforcement Type: Not reported
Date Leak Discovered: 6/16/1987
Date Leak First Reported: 9/7/1994
Date Leak Record Entered: 10/14/1987
Date Confirmation Began: Not reported
Date Leak Stopped: 6/16/1987
Date Case Last Changed on Database: 2/24/1997
Date the Case was Closed: 10/23/1996
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 493.36131200656906319508206053
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 6/27/1996
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/11/1987
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 400
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MOBIL OIL CORP
RP Address: 3700 W 190TH ST, TORRANCE CA 90509
Program: LUST
Lat/Long: 34.0606766 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: 12/13/96 - WELL ABANDONMENT REPORT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-HPB (FORMER) (Continued)

S104406271

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120189

AO184 REGIONAL REBUILD CENTER
East 900 LYON ST
1/4-1/2 LOS ANGELES, CA 90012
0.335 mi.
1771 ft. Site 2 of 3 in cluster AO

SLIC S100944575
CHMIRS N/A
EMI
WDS

Relative:
Higher

SLIC:
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 04/28/2000
Global Id: T0603799304
Lead Agency: LA CNTY FIRE DEPT. (BILLING AND UST)
Lead Agency Case Number: TT
Latitude: 34.055656
Longitude: -118.231516
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120461
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Alcohols
Site History: Not reported

Actual:
285 ft.

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:
OES Incident Number: 8-5262
OES notification: 11/25/1998
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Los Angeles Co MTA
Incident Date:	11/23/199812:00:00 AM
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	anti-freeze/water
Gallons:	4000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Underground storage tank pump blew a seal allowing substance to pumped out of the tank and in to surrounding soil

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	53610
Air District Name:	SC
SIC Code:	4131
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 23
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 26
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.76843
Reactive Organic Gases Tons/Yr: 0.68
Carbon Monoxide Emissions Tons/Yr: 0.327

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

NOX - Oxides of Nitrogen Tons/Yr: 1.22
SOX - Oxides of Sulphur Tons/Yr: 0.00776
Particulate Matter Tons/Yr: 0.1702
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.14

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.26821
Reactive Organic Gases Tons/Yr: 1.200194809
Carbon Monoxide Emissions Tons/Yr: .4752
NOX - Oxides of Nitrogen Tons/Yr: 1.796
SOX - Oxides of Sulphur Tons/Yr: .01014
Particulate Matter Tons/Yr: .193
Part. Matter 10 Micrometers and Smlr Tons/Yr:.1845456

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.008001367891240495
Reactive Organic Gases Tons/Yr: 1.800168
Carbon Monoxide Emissions Tons/Yr: 1.16
NOX - Oxides of Nitrogen Tons/Yr: 4.88
SOX - Oxides of Sulphur Tons/Yr: .052242
Particulate Matter Tons/Yr: .40826055
Part. Matter 10 Micrometers and Smlr Tons/Yr:.398730128

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.67244569181852
Reactive Organic Gases Tons/Yr: 2.5101680000000002
Carbon Monoxide Emissions Tons/Yr: 0.94999999999999996
NOX - Oxides of Nitrogen Tons/Yr: 4.1299999999999999
SOX - Oxides of Sulphur Tons/Yr: 4.8770000000000001E-2
Particulate Matter Tons/Yr: 0.38305
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.370228

Year: 2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.8033664602330299
Reactive Organic Gases Tons/Yr: 2.63232
Carbon Monoxide Emissions Tons/Yr: 0.97197
NOX - Oxides of Nitrogen Tons/Yr: 4.1510499999999997
SOX - Oxides of Sulphur Tons/Yr: 4.8770000000000001E-2
Particulate Matter Tons/Yr: 0.41516262500000001
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.40100081999999998

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.2955851061
Reactive Organic Gases Tons/Yr: 3.0989146081
Carbon Monoxide Emissions Tons/Yr: 1.0823
NOX - Oxides of Nitrogen Tons/Yr: 4.6059
SOX - Oxides of Sulphur Tons/Yr: 0.05333
Particulate Matter Tons/Yr: 0.46369525
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.44773294

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.8381246194
Reactive Organic Gases Tons/Yr: 2.66250468
Carbon Monoxide Emissions Tons/Yr: 1.0795
NOX - Oxides of Nitrogen Tons/Yr: 4.6586
SOX - Oxides of Sulphur Tons/Yr: 0.00741
Particulate Matter Tons/Yr: 0.44470526
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.4300367496

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.8746938051
Reactive Organic Gases Tons/Yr: 1.70716
Carbon Monoxide Emissions Tons/Yr: 1.04682
NOX - Oxides of Nitrogen Tons/Yr: 4.48315
SOX - Oxides of Sulphur Tons/Yr: 0.00778
Particulate Matter Tons/Yr: 0.37592
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.3636202

Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 53610
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.6088441458
Reactive Organic Gases Tons/Yr: 1.5323
Carbon Monoxide Emissions Tons/Yr: 0.39518
NOX - Oxides of Nitrogen Tons/Yr: 1.66309
SOX - Oxides of Sulphur Tons/Yr: 0.00372
Particulate Matter Tons/Yr: 0.16755
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.1634036

WDS:

Facility ID: 4 19I000504
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 2139225717
Facility Contact: Rick Hittinger
Agency Name: LA CO METRO TRANS AUTHORITY
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
SIC Code: 4111
SIC Code 2: 4173
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils,

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REGIONAL REBUILD CENTER (Continued)

S100944575

Secondary Waste: rubble and concrete are examples of this category.
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: No reclamation requirements associated with this facility.
 POTW: The facility is not a POTW.
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AO185
East
1/4-1/2
0.335 mi.
1771 ft.

METRO DIVISION 30
900 LYON ST
LOS ANGELES, CA 90012

LUST S105181300
NPDES N/A

Site 3 of 3 in cluster AO

Relative:
Higher

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 900120461
 Status: Preliminary site assessment underway
 Substance: 77023
 Substance Quantity: Not reported
 Local Case No: UNKNOWN
 Case Type: Undefined
 Abatement Method Used at the Site: Not reported
 Global ID: T0603799304
 W Global ID: Not reported
 Staff: RVJ
 Local Agency: 19050
 Cross Street: CESAR E. CHAVEZ
 Enforcement Type: LET
 Date Leak Discovered: 11/23/1998
 Date Leak First Reported: 11/24/1998
 Date Leak Record Entered: Not reported
 Date Confirmation Began: Not reported
 Date Leak Stopped: 11/23/1998
 Date Case Last Changed on Database: 8/15/2001
 Date the Case was Closed: Not reported
 How Leak Discovered: Inventory Control
 How Leak Stopped: Not reported
 Cause of Leak: Other Cause
 Leak Source: Piping
 Operator: MICHAEL STANGE
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 3713.0535049646529752929798504

Actual:
285 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO DIVISION 30 (Continued)

S105181300

Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: 4/28/2000
Preliminary Site Assessment Began: 4/28/2000
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/24/1998
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MICHAEL STANGE
RP Address: ONE GATEWAY PLAZA
Program: LUST
Lat/Long: 34.055656 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Haz Mat incident report filed

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 188633
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I000504
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/13/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Los Angeles County Metropolitan Transportation Authority
Discharge Address: One Gateway Plaza MS 99 17 2
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90012
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO DIVISION 30 (Continued)

S105181300

FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	188633
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I000504

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO DIVISION 30 (Continued)

S105181300

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	3/13/1992
STATUS CODE NAME:	Active
STATUS DATE:	3/13/1992
PLACE SIZE:	280
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tom Kefalas
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	213-922-4887
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	kefalast@metro.net
OPERATOR NAME:	Los Angeles County Metropolitan Transportation Authority
OPERATOR ADDRESS:	One Gateway Plaza MS 99 17 2
OPERATOR CITY:	Los Angeles
OPERATOR STATE:	California
OPERATOR ZIP:	90012
OPERATOR CONTACT NAME:	Tom Kefalas
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	213-922-4887
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	kefalast@metro.net
OPERATOR TYPE:	County Agency
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	213-922-8895
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO DIVISION 30 (Continued)

S105181300

CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Los Angeles River
CERTIFIER NAME: Emmanuel Liban
CERTIFIER TITLE: Deputy Executive Officer, Environment
CERTIFICATION DATE: 30-JUN-15
PRIMARY SIC: 4111-Local and Suburban Transit
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

AP186
NNE
1/4-1/2
0.338 mi.
1785 ft.

INTERNATIONAL BANK PROPERTY
943 N. MAIN ST
LOS ANGELES, CA 90012
Site 1 of 2 in cluster AP

SLIC S106485866
N/A

Relative:
Higher

SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/26/1997
Global Id: SLT43653651
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.062596
Longitude: -118.233195
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0945
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
293 ft.

[Click here to access the California GeoTracker records for this facility:](#)

AP187
NNE
1/4-1/2
0.338 mi.
1785 ft.

INTERNATIONAL BANK PROPERTY
943 MAIN
LOS ANGELES, CA 90012
Site 2 of 2 in cluster AP

SLIC S104549294
N/A

Relative:
Higher

SLIC REG 4:
Region: 4
Facility Status: No further action required
SLIC: 0945
Substance: VOCs
Staff: John Geroch

Actual:
293 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

188
NNW
1/4-1/2
0.343 mi.
1809 ft.

ELIAS Y ZAWAHERI
766 N HILL ST
LOS ANGELES, CA 90012

LUST S101583982
SWEEPS UST N/A
CA FID UST
HIST CORTESE

Relative:
Higher

LUST:

Actual:
313 ft.

Region: STATE
Global Id: T0603700507
Latitude: 34.0625651
Longitude: -118.2396196
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/02/1991
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120089
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700507
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700507
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700507
Status: Open - Case Begin Date
Status Date: 01/26/1989

Global Id: T0603700507
Status: Open - Remediation
Status Date: 04/05/1989

Global Id: T0603700507
Status: Completed - Case Closed
Status Date: 12/02/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELIAS Y ZAWAHERI (Continued)

S101583982

Regulatory Activities:

Global Id: T0603700507
Action Type: Other
Date: 02/02/1989
Action: Leak Stopped

Global Id: T0603700507
Action Type: Other
Date: 01/26/1989
Action: Leak Reported

Global Id: T0603700507
Action Type: Other
Date: 02/02/1989
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120089
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: VE
Global ID: T0603700507
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: ALPINE
Enforcement Type: Not reported
Date Leak Discovered: 2/2/1989
Date Leak First Reported: 1/26/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 2/2/1989
Date Case Last Changed on Database: 12/2/1991
Date the Case was Closed: 12/2/1991
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 942.4606690281673698052691489
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 4/5/1989
Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELIAS Y ZAWAHERI (Continued)

S101583982

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL CO.
RP Address: 511 N BROOKHURST ST, ANAHEIM, CA 92803
Program: LUST
Lat/Long: 34.0619655 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: WATER TPH (MAX) = 78 MG/L. G/W AT 29'

SWEEPS UST:

Status: Not reported
Comp Number: 3976
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19007752
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132403543
Mail To: Not reported
Mailing Address: 766 N HILL ST
Mailing Address 2: Not reported
Mailing City, St, Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELIAS Y ZAWAHERI (Continued)

S101583982

Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120089

**AK189
SE
1/4-1/2
0.346 mi.
1827 ft.**

**SO CAL GAS/ALISO SECTOR C, BLOCK L
728 E. COMMERCIAL ST
LOS ANGELES, CA 90012**

**ENVIROSTOR S118756528
VCP N/A
DEED**

Site 2 of 2 in cluster AK

**Relative:
Lower**

ENVIROSTOR:

Facility ID: 19490242
Status: Certified O&M - Land Use Restrictions Only
Status Date: 12/07/2004
Site Code: 300999
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Folashade Simpson
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05245
Longitude: -118.2323
APN: 5173-017-008
Past Use: FUEL TERMINALS, MANUFACTURED GAS PLANT
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel
TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc
Not reported

**Actual:
275 ft.**

Confirmed COC: 30525-NO 30550-NO 30019-NO 30024-NO 30025-NO 30100-NO 30312-NO
30003-NO 30013-NO 30593-NO 30594-NO

Potential Description:

OTH, SOIL
Alias Name: ALISO C
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: Aliso Sector C, Block L
Alias Type: Alternate Name
Alias Name: BLOCK L
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO C
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY, ALISO C
Alias Type: Alternate Name
Alias Name: 5173-017-008
Alias Type: APN
Alias Name: 110033609441
Alias Type: EPA (FRS #)
Alias Name: 300642
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 300999
Alias Type: Project Code (Site Code)
Alias Name: 19490242
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/26/2004
Comments: Block L - Polycyclic aromatic hydrocarbon (PAH) and volatile organic hydrocarbon (VOC) contaminated soil was excavated and thermally treated offsite. Site has been backfilled with clean soil. Subsurface contamination did not extend laterally to offsite areas. Contamination was found, as expected, at the ground water table, and will be addressed in a later, regional effort. As the soil was remediated to industrial cleanup goals, a deed restriction will limit use of the site, preventing residential or other sensitive uses on this parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/10/2003
Comments: Block L - The Special initial Study described the proposed polycyclic aromatic hydrocarbon (PAH) and volatile organic hydrocarbon (VOC) contaminated soil remediation activity and its insignificant impact upon the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/27/2003
Comments: Block L - PEA-E investigated the former manufactured gas plant and petroleum transfer site. VOCs, SVOCs, PAHs and hydrocarbons were found to impact the site. A Renivak Action Work Plan will address clean up of this contamination. PEA-E completion was delayed due to further Site Characterization activities and delays in receiving the Human Human Health Risk Assessment reports associated with the PEA-E.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/25/2004
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/14/2014
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/03/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/07/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/10/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Comments: Tosco Corporation and DTSC signed and executed a VCA to characterize and cleanup Block L of Sector C within the Aliso Street Former MGP. Completion of characterization and cleanup is expected during the summer of 2003.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19490242
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Folashade Simpson
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 300999
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 12/07/2004
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05245 / -118.2323
APN: 5173-017-008
Past Use: FUEL TERMINALS, MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594
Confirmed COC: ,30525-NO,30550-NO,30019-NO,30024-NO,30025-NO,30100-NO,30312-NO,30003-NO,30013-NO,30593-NO,30594-NO
Potential Description: OTH, SOIL
Alias Name: ALISO C
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: Aliso Sector C, Block L
Alias Type: Alternate Name
Alias Name: BLOCK L
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO C
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY, ALISO C
Alias Type: Alternate Name
Alias Name: 5173-017-008
Alias Type: APN
Alias Name: 110033609441
Alias Type: EPA (FRS #)
Alias Name: 300642
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 300999
Alias Type: Project Code (Site Code)
Alias Name: 19490242
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/26/2004
Comments: Block L - Polycyclic aromatic hydrocarbon (PAH) and volatile organic hydrocarbon (VOC) contaminated soil was excavated and thermally treated offsite. Site has been backfilled with clean soil. Subsurface contamination did not extend laterally to offsite areas. Contamination was found, as expected, at the ground water table, and will be addressed in a later, regional effort. As the soil was remediated to industrial cleanup goals, a deed restriction will limit use of the site, preventing residential or other sensitive uses on this parcel.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/10/2003
Comments: Block L - The Special initial Study described the proposed polycyclic aromatic hydrocarbon (PAH) and volatile organic hydrocarbon (VOC) contaminated soil remediation activity and its insignificant impact upon the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/27/2003
Comments: Block L - PEA-E investigated the former manufactured gas plant and petroleum transfer site. VOCs, SVOCs, PAHs and hydrocarbons were found to impact the site. A Remedial Action Work Plan will address clean up of this contamination. PEA-E completion was delayed due to further Site Characterization activities and delays in receiving the Human Health Risk Assessment reports associated with the PEA-E.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/23/2015
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/25/2004
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/14/2014
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/03/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/07/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK L (Continued)

S118756528

Completed Date: 10/10/2002
Comments: Tosco Corporation and DTSC signed and executed a VCA to characterize and cleanup Block L of Sector C within the Aliso Street Former MGP. Completion of characterization and cleanup is expected during the summer of 2003.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 19490242
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 12/03/2004

AQ190
North
1/4-1/2
0.355 mi.
1875 ft.

FUELING STATION FORMER
1135 ALAMEDA ST N
LOS ANGELES, CA 90012
Site 1 of 5 in cluster AQ

LUST S117351968
N/A

Relative:
Higher

LUST:

Actual:
291 ft.

Region: STATE
Global Id: T10000006317
Latitude: 34.0627071
Longitude: -118.2359476
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/12/2016
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: Not reported
RB Case Number: 900120525
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T10000006317
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FUELING STATION FORMER (Continued)

S117351968

City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

Status History:

Global Id: T10000006317
Status: Open - Case Begin Date
Status Date: 10/25/2014

Global Id: T10000006317
Status: Open - Inactive
Status Date: 10/25/2014

Global Id: T10000006317
Status: Open - Site Assessment
Status Date: 02/27/2015

Global Id: T10000006317
Status: Open - Eligible for Closure
Status Date: 12/03/2015

Global Id: T10000006317
Status: Completed - Case Closed
Status Date: 02/12/2016

Regulatory Activities:

Global Id: T10000006317
Action Type: Other
Date: 04/19/1988
Action: Leak Stopped

Global Id: T10000006317
Action Type: ENFORCEMENT
Date: 10/25/2014
Action: Referral to Regional Board

Global Id: T10000006317
Action Type: ENFORCEMENT
Date: 02/27/2015
Action: Staff Letter

Global Id: T10000006317
Action Type: ENFORCEMENT
Date: 05/12/2015
Action: Staff Letter

Global Id: T10000006317
Action Type: RESPONSE
Date: 03/27/2015
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000006317
Action Type: Other
Date: 10/25/2014
Action: Leak Reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FUELING STATION FORMER (Continued)

S117351968

Global Id:	T10000006317
Action Type:	ENFORCEMENT
Date:	02/12/2016
Action:	Closure/No Further Action Letter
Global Id:	T10000006317
Action Type:	ENFORCEMENT
Date:	12/03/2015
Action:	Notification - Preclosure
Global Id:	T10000006317
Action Type:	RESPONSE
Date:	03/27/2015
Action:	Preliminary Site Assessment Report
Global Id:	T10000006317
Action Type:	RESPONSE
Date:	08/15/2015
Action:	Site Assessment Report
Global Id:	T10000006317
Action Type:	RESPONSE
Date:	03/25/2015
Action:	Other Report / Document
Global Id:	T10000006317
Action Type:	Other
Date:	04/19/1988
Action:	Leak Began
Global Id:	T10000006317
Action Type:	Other
Date:	04/19/1988
Action:	Leak Discovery

AR191
 SE
 1/4-1/2
 0.356 mi.
 1879 ft.

**SO CAL GAS/ALISO C MGP
 CENTER ST @ COMMERCIAL, DUCOMMUN AND JACKSON
 LOS ANGELES, CA 90012**

**EDR MGP 1008407705
 N/A**

Site 1 of 3 in cluster AR

**Relative:
 Lower**

Manufactured Gas Plants:

**Actual:
 272 ft.**

The former Aliso Street manufactured Gas Plant covered approximately 52 acres in downtown Los Angeles. The site is being investigated as 5 sectors and an overall groundwater unit. The "C" sector consists of 16.4 acres south of the Hollywood (101) Freeway, bisected by Center Street and bounded by Commercial, Ducommun and Jackson Streets. Sector C is further subdivided into Blocks G, K, L, N, O, Q, and R. Contaminants suspected include petroleum hydrocarbons, volatile organic compounds, cyanide, polycyclic aromatic hydrocarbons and heavy metals

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

192
WSW
1/4-1/2
0.358 mi.
1888 ft.

TIMES MIRROR CORPORATION
145 SPRING ST S
LOS ANGELES, CA 90012

LUST **S102439123**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
293 ft.

Region: STATE
Global Id: T0603700505
Latitude: 34.052404
Longitude: -118.2452001
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/30/1989
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120061
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700505
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700505
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700505
Status: Open - Case Begin Date
Status Date: 04/27/1988

Global Id: T0603700505
Status: Open - Site Assessment
Status Date: 02/17/1989

Global Id: T0603700505
Status: Completed - Case Closed
Status Date: 03/30/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIMES MIRROR CORPORATION (Continued)

S102439123

Regulatory Activities:

Global Id: T0603700505
Action Type: Other
Date: 04/27/1988
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120061
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: No Action Required
Global ID: T0603700505
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: 1ST ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 4/27/1988
Date Leak Record Entered: 6/3/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/30/1989
Date the Case was Closed: 3/30/1989
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: MALCOR, JOSEPH V.
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported
Approx. Dist To Production Well (ft): 2365.9537613317074026355595998
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 2/17/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TIMES MIRROR CORPORATION

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TIMES MIRROR CORPORATION (Continued)

S102439123

RP Address: 145 S SPRING ST, LOS ANGELES, CA 90012
 Program: LUST
 Lat/Long: 34.052404 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600582-001GEN
 Summary: LA CITY FIRE DEPARTMENT REQUESTED LARWQCB TO CONDUCT A LEAK DETECTION PROGRAM. IT IS UNKNOWN AT THIS TIME WHETHER A LEAK HAS OCCURED.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120061

AS193 **PARKER CENTER**
SSW **151 SAN PEDRO**
1/4-1/2 **LOS ANGELES, CA 90012**
0.359 mi.
1897 ft. **Site 1 of 2 in cluster AS**

HIST CORTESE **S101297231**
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
 Facility County Code: 19
Actual: Reg By: LTNKA
276 ft. Reg Id: 900120352

AM194 **LOS ANGELES RECYCLING CENTER INC**
NNE **1000 N MAIN ST**
1/4-1/2 **LOS ANGELES, CA 90012**
0.369 mi.
1946 ft. **Site 2 of 2 in cluster AM**

SWRCY **S106102604**
NPDES **N/A**
WDS

Relative: SWRCY:
Higher Reg Id: 188182
 Cert Id: RC188182.001
Actual: Mailing Address: PO Box 109
293 ft. Mailing City: South Gate
 Mailing State: CA
 Mailing Zip Code: 90280
 Website: Not reported
 Email: Not reported
 Phone Number: (323) 221-9188
 Grand Father: N
 Rural: N
 Operation Begin Date: 06/17/2013
 Aluminium: Y
 Glass: Y
 Plastic: Y
 Bimetal: Y
 Agency: N/A
 Monday Hours Of Operation: 7:30 am - 4:00 pm
 Tuesday Hours Of Operation: 7:30 am - 4:00 pm

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES RECYCLING CENTER INC (Continued)

S106102604

Wednesday Hours Of Operation: 7:30 am - 4:00 pm
Thursday Hours Of Operation: 7:30 am - 4:00 pm
Friday Hours Of Operation: 7:30 am - 4:00 pm
Saturday Hours Of Operation: 7:30 am - 3:00 pm
Sunday Hours Of Operation: 8:00 am - 1:00 pm
Organization ID: 188182
Organization Name: Los Angeles Recycling Center Inc

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 189305
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I004147
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/06/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Los Angeles Recycling
Discharge Address: 1000 N Main St
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90012
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES RECYCLING CENTER INC (Continued)

S106102604

CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	189305
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I004147
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	4/6/1992
STATUS CODE NAME:	Active
STATUS DATE:	4/6/1992
PLACE SIZE:	56975
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	William Duran
FACILITY CONTACT TITLE:	Manager
FACILITY CONTACT PHONE:	323-221-9188
FACILITY CONTACT PHONE EXT:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES RECYCLING CENTER INC (Continued)

S106102604

FACILITY CONTACT EMAIL: william@bestwayrecycling.com
OPERATOR NAME: Los Angeles Recycling
OPERATOR ADDRESS: 1000 N Main St
OPERATOR CITY: Los Angeles
OPERATOR STATE: California
OPERATOR ZIP: 90012
OPERATOR CONTACT NAME: David Kim
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 323-221-9188
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: david@bestwayrecycling.com
OPERATOR TYPE: Private Business
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: California
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 323-221-9188
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERCIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESCRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Storm drain
CERTIFIER NAME: Sung Kim
CERTIFIER TITLE: Vice President
CERTIFICATION DATE: 08-JUN-15
PRIMARY SIC: 5093-Scrap and Waste Materials
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

WDS:

Facility ID: 4 19I004147
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3232219188

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES RECYCLING CENTER INC (Continued)

S106102604

Facility Contact: Jason Lee
 Agency Name: L.A. RECYCLING CENTER
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Private
 SIC Code: 5015
 SIC Code 2: 5093
 Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
 Primary Waste: STORMS
 Waste Type2: Not reported
 Waste2: Stormwater Runoff
 Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: No reclamation requirements associated with this facility.
 POTW: The facility is not a POTW.
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AR195
 SE
 1/4-1/2
 0.371 mi.
 1957 ft.

**SO CAL GAS/ALISO SECTOR C, BLOCK O
 SOUTHWEST CORNER OF DUCOMMUN AND CENTER STREETS
 LOS ANGELES, CA 90012**

**ENVIROSTOR S107737357
 VCP N/A**

Site 2 of 3 in cluster AR

**Relative:
 Lower**

ENVIROSTOR:
 Facility ID: 60000169
 Status: Active
 Status Date: 01/19/2001
 Site Code: 300885
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza

**Actual:
 272 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK O (Continued)

S107737357

Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05138
Longitude: -118.2323
APN: 5173-016-008, 5173016008
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel
TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc
Not reported
Confirmed COC: 30525-NO 30550-NO 30019-NO 30024-NO 30025-NO 30100-NO 30312-NO
30003-NO 30013-NO 30593-NO 30594-NO
Potential Description: OTH, SOIL
Alias Name: Aliso Sector C, Block O
Alias Type: Alternate Name
Alias Name: 5173-016-008
Alias Type: APN
Alias Name: 5173016008
Alias Type: APN
Alias Name: 110033609450
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000169
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK O (Continued)

S107737357

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60000169
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300885
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05138 / -118.2323
APN: 5173-016-008, 5173016008
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594
Confirmed COC: 30525-NO,30550-NO,30019-NO,30024-NO,30025-NO,30100-NO,30312-NO, 30003-NO,30013-NO,30593-NO,30594-NO,,
Potential Description: OTH, SOIL
Alias Name: Aliso Sector C, Block O
Alias Type: Alternate Name
Alias Name: 5173-016-008
Alias Type: APN
Alias Name: 5173016008
Alias Type: APN
Alias Name: 110033609450
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000169
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK O (Continued)

S107737357

Completed Date: 03/19/2008
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Workplan
 Completed Date: 03/04/2002
 Comments: Remedial Investigation Master Work Plan approved.

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2018
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2018
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AT196
SE
1/4-1/2
0.378 mi.
1998 ft.

UNOCAL CORP
501 CENTER ST
LOS ANGELES, CA 90012

SLIC **U001560500**
HIST UST **N/A**
EMI

Site 1 of 3 in cluster AT

Relative:
Lower

SLIC:
 Region: STATE
Facility Status: Open - Inactive
 Status Date: 01/16/1997
 Global Id: SL376402463
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 34.051686
 Longitude: -118.230599
 Case Type: Cleanup Program Site
 Case Worker: DDD
 Local Agency: Not reported
 RB Case Number: 0353
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Actual:
274 ft.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
 Region: 4
 Facility Status: Not reported
 SLIC: 0353
 Substance: Not reported
 Staff: Department of Toxic Substances Control

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL CORP (Continued)

U001560500

HIST UST:

File Number: 00028EAB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028EAB.pdf>
Region: STATE
Facility ID: 00000006616
Facility Type: Other
Other Type: DISTRIBUTOR
Contact Name: W. W. LOUGH
Telephone: 2139776565
Owner Name: UNION OIL CO. OF CALIFORNIA
Owner Address: 461 S. BOYLSTON ST.
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00000750
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1980
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 3/8
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1980
Tank Capacity: 00000960
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4-3/4
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00008740
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4-3/4
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1995
County Code: 19
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL CORP (Continued)

U001560500

Facility ID: 800194
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 39
Reactive Organic Gases Tons/Yr: 32
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 800194
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 42
Reactive Organic Gases Tons/Yr: 34
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 800366
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 800366
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL CORP (Continued)

U001560500

Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 800366
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 800366
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 800366
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: B
Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNOCAL CORP (Continued)

U001560500

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

197
East
1/4-1/2
0.380 mi.
2008 ft.

SO CAL GAS/ALISO D MGP
CESAR CHAVEZ AND LYONS STREET
LOS ANGELES, CA 90012

EDR MGP 1008407706
N/A

Relative:
Higher

Manufactured Gas Plants:

The former Aliso Street manufactured Gas Plant covered approximately 52 acres in downtown Los Angeles. The site is being investigated as 5 sectors and an overall groundwater unit. The "C" sector consists of 16.4 acres south of the Hollywood (101) Freeway, bisected by Center Street and bounded by Commercial, Ducommun and Jackson Streets. Sector C is further subdivided into Blocks G, K, L, N, O, Q, and R. Contaminants suspected include petroleum hydrocarbons, volatile organic compounds, cyanide, polycyclic aromatic hydrocarbons and heavy metals

Actual:
289 ft.

198
South
1/4-1/2
0.385 mi.
2035 ft.

MANGROVE ESTATE, B.V.
617 001ST ST E
LOS ANGELES, CA 90012

LUST S104406272
HIST CORTESE N/A

Relative:
Lower

LUST:

Actual:
269 ft.

Region:	STATE
Global Id:	T0603700517
Latitude:	34.0488501
Longitude:	-118.2368958
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/15/1997
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120225
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603700517
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700517
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANGROVE ESTATE, B.V. (Continued)

S104406272

Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700517
Status: Open - Case Begin Date
Status Date: 08/17/1992

Global Id: T0603700517
Status: Open - Remediation
Status Date: 08/17/1992

Global Id: T0603700517
Status: Completed - Case Closed
Status Date: 01/15/1997

Regulatory Activities:

Global Id: T0603700517
Action Type: Other
Date: 09/17/1992
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120225
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700517
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: ALAMEDA ST.
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/17/1992
Date Leak Record Entered: 8/31/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/8/1998
Date the Case was Closed: 1/15/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD#092292-02
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANGROVE ESTATE, B.V. (Continued)

S104406272

Approx. Dist To Production Well (ft): 3918.34475366795833414781506
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 8/17/1992
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 201 S SANTA FE AVE, SUITE 101, LOS ANGELES CA 90012
Program: LUST
Lat/Long: 34.0488501 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600582-001GEN
Summary: 01/08/97 REQUEST FOR SITE CLOSURE 12/04/98
RESULTS OF BOICELL AND SOIL STOCKPILE SAMPLING

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120225

AQ199
North
1/4-1/2
0.387 mi.
2046 ft.

UNION PACIFIC RAILROAD - CORNFIELD YARD
1245 NORTH SPRING ST
LOS ANGELES, CA 90012
Site 2 of 5 in cluster AQ

SLIC S106483998
NPDES N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 07/08/2010
Global Id: SL2047T1683
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.069218179263
Longitude: -118.232052326202
Case Type: Cleanup Program Site
Case Worker: GB
Local Agency: Not reported
RB Case Number: 0891
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)

Actual:
293 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION PACIFIC RAILROAD - CORNFIELD YARD (Continued)

S106483998

Potential Contaminants of Concern: Benzene, Other Petroleum
Site History: The site is a former Union Pacific Railroad facility that has been converted to use for the Metro Rail Gold Line and as a park. Groundwater is impacted primarily by benzene.

[Click here to access the California GeoTracker records for this facility:](#)

NPDES:

Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 438883
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C369548
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/25/2014
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: California State Parks
Discharge Address: 2797 Truxtun Road
Discharge City: San Diego
Discharge State: California
Discharge Zip: 92106
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION PACIFIC RAILROAD - CORNFIELD YARD (Continued)

S106483998

EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	438883
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C369548
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	4/24/2014
PROCESSED DATE:	4/25/2014
STATUS CODE NAME:	Active
STATUS DATE:	4/25/2014
PLACE SIZE:	32.93
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Kathy Amann
FACILITY CONTACT TITLE:	Sr. Landscape Architect
FACILITY CONTACT PHONE:	916-445-7985
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	kaman@parks.ca.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION PACIFIC RAILROAD - CORNFIELD YARD (Continued)

S106483998

OPERATOR NAME: California State Parks
OPERATOR ADDRESS: 2797 Truxtun Road
OPERATOR CITY: San Diego
OPERATOR STATE: California
OPERATOR ZIP: 92106
OPERATOR CONTACT NAME: Kathy Amann
OPERATOR CONTACT TITLE: Sr. Landscape Architect
OPERATOR CONTACT PHONE: 916-445-7985
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: kaman@parks.ca.gov
OPERATOR TYPE: State Agency
DEVELOPER NAME: California State Parks
DEVELOPER ADDRESS: 2797 Truxtun Road
DEVELOPER CITY: San Diego
DEVELOPER STATE: California
DEVELOPER ZIP: 92106
DEVELOPER CONTACT NAME: Kathy Amann
DEVELOPER CONTACT TITLE: Sr. Landscape Architect
CONSTYPE LINEAR UTILITY IND: N
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: N
CONSTYPE BELOW GROUND IND: N
CONSTYPE CABLE LINE IND: N
CONSTYPE COMM LINE IND: N
CONSTYPE COMMERCIAL IND: N
CONSTYPE ELECTRICAL LINE IND: N
CONSTYPE GAS LINE IND: N
CONSTYPE INDUSTRIAL IND: N
CONSTYPE OTHER DESCRIPTION: Park facilities
CONSTYPE OTHER IND: N
CONSTYPE RECONS IND: N
CONSTYPE RESIDENTIAL IND: N
CONSTYPE TRANSPORT IND: N
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: N
CONSTYPE WATER SEWER IND: N
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Los Angeles River
CERTIFIER NAME: Suzy Lahitte
CERTIFIER TITLE: Senior Civil Engineer
CERTIFICATION DATE: 24-APR-14
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

AQ200
North
1/4-1/2
0.387 mi.
2046 ft.

CORNFIELD SITE
1245 N. SPRING STREET
LOS ANGELES, CA 90012
Site 3 of 5 in cluster AQ

ENVIROSTOR **S104573224**
VCP **N/A**

Relative:
Higher

ENVIROSTOR:
Facility ID: 19400013
Status: Active
Status Date: 11/17/2014
Site Code: 301019
Site Type: Voluntary Cleanup

Actual:
293 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Site Type Detailed: Voluntary Cleanup
Acres: 32
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Tedd Yargeau
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06805
Longitude: -118.2322
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP,
RAILROAD RIGHT OF WAY
Potential COC: Arsenic Lead TPH-MOTOR OIL
Confirmed COC: Arsenic Lead TPH-MOTOR OIL
Potential Description: OTH, SOIL
Alias Name: CORNFIELDS
Alias Type: Alternate Name
Alias Name: CORNFIELDS RAILYARD
Alias Type: Alternate Name
Alias Name: CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: FORMER CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: 110033613686
Alias Type: EPA (FRS #)
Alias Name: 301019
Alias Type: Project Code (Site Code)
Alias Name: 19400013
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Cornfield Site Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/15/2002
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2002
Comments: DTSC approves Removal Action Workplan for Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1989
Comments: Investigation did not identify major areas of concern.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/1999
Comments: Additional subsurface characterization required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/01/1999
Comments: Further characterization required at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Completed Document Type: Site Screening
Completed Date: 06/17/2002
Comments: Removal Action workplan will be drafted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/01/1999
Comments: Investigation indicated both sale area (Cornfield site, 32 acre sub-parcel of a 50 acre site) and non-sale area (remaining property) contained impacted soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/01/2002
Comments: Report submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/11/2014
Comments: Final SAP reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan w/ESD
Completed Date: 03/13/2015
Comments: Final SRAW and TCRAW approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2016
Comments: Fieldwork for removal of arsenic and lead impacted soils on Phase I of Cornfield site completed. Contaminants were discovered during site construction activities.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2017
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19400013
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Acres: 32
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Tedd Yargeau
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Site Code: 301019
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 11/17/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.06805 / -118.2322
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP,
RAILROAD RIGHT OF WAY
Potential COC: 30001, 30013, 3002502
Confirmed COC: 30001,30013,3002502
Potential Description: OTH, SOIL
Alias Name: CORNFIELDS
Alias Type: Alternate Name
Alias Name: CORNFIELDS RAILYARD
Alias Type: Alternate Name
Alias Name: CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: FORMER CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: 110033613686
Alias Type: EPA (FRS #)
Alias Name: 301019
Alias Type: Project Code (Site Code)
Alias Name: 19400013
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Cornfield Site Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/15/2002
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2002
Comments: DTSC approves Removal Action Workplan for Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1989
Comments: Investigation did not identify major areas of concern.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/1999
Comments: Additional subsurface characterization required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/01/1999
Comments: Further characterization required at site.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CORNFIELD SITE (Continued)

S104573224

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/17/2002
Comments: Removal Action workplan will be drafted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/01/1999
Comments: Investigation indicated both sale area (Cornfield site, 32 acre sub-parcel of a 50 acre site) and non-sale area (remaining property) contained impacted soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/01/2002
Comments: Report submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/11/2014
Comments: Final SAP reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan w/ESD
Completed Date: 03/13/2015
Comments: Final SRAW and TCRAW approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2016
Comments: Fieldwork for removal of arsenic and lead impacted soils on Phase I of Cornfield site completed. Contaminants were discovered during site construction activities.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2017
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AS201 **UNION BANK OF CALIFORNIA**
SSW **120 SAN PEDRO STREET, SOUTH**
1/4-1/2 **LOS ANGELES, CA 90012**
0.390 mi.
2061 ft. **Site 2 of 2 in cluster AS**

LUST **S108418216**
 N/A

Relative:
Lower

LUST:

Actual:
274 ft.

Region: STATE
Global Id: T0603733281
Latitude: 34.049987
Longitude: -118.241194
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/15/2011
Lead Agency: LOS ANGELES, CITY OF
Case Worker: EL
Local Agency: LOS ANGELES, CITY OF
RB Case Number: Not reported
LOC Case Number: 34023
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603733281
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603733281
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603733281
Status: Open - Case Begin Date
Status Date: 08/03/2004

Global Id: T0603733281
Status: Open - Site Assessment
Status Date: 10/20/2005

Global Id: T0603733281
Status: Completed - Case Closed
Status Date: 12/15/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION BANK OF CALIFORNIA (Continued)

S108418216

Regulatory Activities:

Global Id: T0603733281
Action Type: Other
Date: 08/03/2004
Action: Leak Discovery

Global Id: T0603733281
Action Type: Other
Date: 10/20/2005
Action: Leak Reported

Global Id: T0603733281
Action Type: ENFORCEMENT
Date: 12/11/2011
Action: Closure/No Further Action Letter

202 **AUTO PARK 18**
West **145 N GRAND AVE**
1/4-1/2 **LOS ANGELES, CA 90012**
0.391 mi.
2067 ft.

LUST **S106087764**
N/A

Relative:
Higher

LUST:

Actual:
392 ft.

Region: STATE
Global Id: T0603759109
Latitude: 34.056472
Longitude: -118.248125
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 10/14/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120534
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603759109
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603759109
Contact Type: Regional Board Caseworker
Contact Name: JAMES RYAN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: West 4th Street, Suite 200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO PARK 18 (Continued)

S106087764

City: LOS ANGELES
Email: jamesw.ryan@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603759109
Status: Open - Case Begin Date
Status Date: 05/10/1995

Global Id: T0603759109
Status: Open - Site Assessment
Status Date: 10/25/1995

Global Id: T0603759109
Status: Open - Remediation
Status Date: 03/19/1996

Global Id: T0603759109
Status: Open - Site Assessment
Status Date: 03/19/1996

Global Id: T0603759109
Status: Open - Eligible for Closure
Status Date: 07/09/2013

Global Id: T0603759109
Status: Open - Site Assessment
Status Date: 10/14/2014

Regulatory Activities:

Global Id: T0603759109
Action Type: ENFORCEMENT
Date: 11/21/1995
Action: Technical Correspondence / Assistance / Other

Global Id: T0603759109
Action Type: ENFORCEMENT
Date: 12/05/1995
Action: Notice of Violation - #10863

Global Id: T0603759109
Action Type: RESPONSE
Date: 03/11/2016
Action: Other Report / Document

Global Id: T0603759109
Action Type: RESPONSE
Date: 02/15/2017
Action: Soil and Water Investigation Workplan

Global Id: T0603759109
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: Staff Letter

Global Id: T0603759109

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO PARK 18 (Continued)

S106087764

Action Type:	Other
Date:	10/25/1995
Action:	Leak Reported
Global Id:	T0603759109
Action Type:	RESPONSE
Date:	02/26/1996
Action:	Correspondence
Global Id:	T0603759109
Action Type:	RESPONSE
Date:	10/25/1995
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0603759109
Action Type:	ENFORCEMENT
Date:	06/03/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603759109
Action Type:	ENFORCEMENT
Date:	10/21/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603759109
Action Type:	ENFORCEMENT
Date:	02/05/2016
Action:	Staff Letter
Global Id:	T0603759109
Action Type:	ENFORCEMENT
Date:	05/03/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603759109
Action Type:	RESPONSE
Date:	06/03/2016
Action:	Other Report / Document
Global Id:	T0603759109
Action Type:	RESPONSE
Date:	07/05/2016
Action:	Other Report / Document
Global Id:	T0603759109
Action Type:	ENFORCEMENT
Date:	03/19/1996
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0603759109
Action Type:	Other
Date:	05/10/1995
Action:	Leak Discovery

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AQ203 **VACANT**
North **1245 SPRING**
1/4-1/2 **LOS ANGELES, CA 90012**
0.392 mi.
2068 ft. **Site 4 of 5 in cluster AQ**

LUST **S104406276**
HIST CORTESE **N/A**

Relative:
Higher

LUST REG 4:

Actual:
292 ft.

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900120425	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603700537	
W Global ID:	W0605100649	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	BAKER ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	7/19/1999	
Date Leak First Reported:		8/9/1999
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/9/1999
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2843.2511585292348326107274565
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/9/1999
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		7/12/2002
Hist Max MTBE Conc in Groundwater:		7.2
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:		=
Soil Qualifier:		Not reported
Organization:		Not reported
Owner Contact:		Not reported
Responsible Party:		BLANK RP
RP Address:		Not reported
Program:		LUST
Lat/Long:		34.0652273 / -1
Local Agency Staff:		PEJ

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VACANT (Continued)

S104406276

Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600649-001GEN
 Summary: USTS REPORTEDLY FORMERLY WERE LOCATED AT THE SITE. PETROLEUM HYDROCARBONS AND BTEX HAVE RECENTLY BEEN DETECTED IN SOIL AND GROUNDWATER; HOWEVER, THE ACTUAL SOURCE OF THESE CONSTITUENTS HAS NOT YET BEEN INVESTIGATED.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120425

AQ204 **UNION PACIFIC RAILROAD - CORNFIELD YARD**
North **1245 SPRING**
1/4-1/2 **LOS ANGELES, CA 90031**
0.392 mi.
2068 ft. **Site 5 of 5 in cluster AQ**

SLIC S106387157
N/A

Relative: SLIC REG 4:
Higher Region: 4
 Facility Status: Site Assessment
Actual: SLIC: 0891
292 ft. Substance: TPH
 Staff: AH

AU205 **SO CAL GAS/ALISO D MGP**
East **CESAR CHAVEZ AND LYONS STREETS**
1/4-1/2 **LOS ANGELES, CA 90012**
0.395 mi.
2086 ft. **Site 1 of 2 in cluster AU**

ENVIROSTOR S103393772
VCP N/A

Relative: ENVIROSTOR:
Higher Facility ID: 19490243
 Status: Active
Actual: Status Date: 01/19/2001
284 ft. Site Code: 301053
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 10.5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05611

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Longitude: -118.2297
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Arsenic Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE
1,3-Butadiene Carbon disulfide Dicyclopentadiene Polynuclear aromatic
hydrocarbons (PAHs Styrene Toluene 1,2,4-Trimethylbenzene Xylenes
Confirmed COC: 30472-NO 30525-NO 30550-NO 30577-NO 30022-NO 30027-NO 30100-NO
30115-NO 30206-NO 30001-NO 30003-NO 30593-NO
Potential Description: OTH, SOIL
Alias Name: ALISO D
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SECTOR D
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 110033609389
Alias Type: EPA (FRS #)
Alias Name: 300706
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 301053
Alias Type: Project Code (Site Code)
Alias Name: 19490243
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Voluntary
Cleanup Agreement, No. HSA 97/98-054 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2000
Comments: The Preliminary Endangerment Assessment (PEA) indicated that
significant contamination exists at the site. Contaminants include
VOCs and PAHs. A Remedial Investigation/Feasibility Study recommended.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 01/03/2006
Comments: FS was completed on Jan 3, 2006 and RAP is being prepared for the
site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/19/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Comments: DTSC approved RI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/13/2006
Comments: DTSC approved RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 09/13/2007
Comments: DTSC approved RD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/14/2007
Comments: The limit of contamination, as close possible to the Street and MTA Building 1 evaluated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/20/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/10/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2009
Comments: Field Work on Area 10 completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/16/2016
Comments: Document approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/16/2015
Comments: Plan approved by an e-mail dated 6-16-2015.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/29/2015
Comments: Wells installed. Fieldwork completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/30/2008
Comments: The Gas Company excavated and restored the Area 8 for MTA Parking Lot.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/26/1998
Comments: DTSC and Southern California Gas Company executed a Voluntary Cleanup Agreement to conduct a Preliminary Endangerment Assessment on "Sector D" of the former Aliso Manufactured Gas Plant site.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 02/12/2017
Schedule Revised Date: 02/13/2019

VCP:

Facility ID: 19490243
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301053
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05611 / -118.2297
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30003, 30022, 30027, 30100, 30115, 30206, 30472, 30525, 30550, 30577, 30593
Confirmed COC: 30472-NO,30525-NO,30550-NO,30577-NO,30022-NO,30027-NO,30100-NO, 30115-NO,30206-NO,30001-NO,30003-NO,30593-NO
Potential Description: OTH, SOIL
Alias Name: ALISO D
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SECTOR D
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 110033609389
Alias Type: EPA (FRS #)
Alias Name: 300706
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 301053
Alias Type: Project Code (Site Code)
Alias Name: 19490243
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Voluntary Cleanup Agreement, No. HSA 97/98-054 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2000
Comments: The Preliminary Endangerment Assessment (PEA) indicated that significant contamination exists at the site. Contaminants include VOCs and PAHs. A Remedial Investigation/Feasibility Study recommended. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 01/03/2006
Comments: FS was completed on Jan 3, 2006 and RAP is being prepared for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/19/2005
Comments: DTSC approved RI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/13/2006
Comments: DTSC approved RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 09/13/2007
Comments: DTSC approved RD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/14/2007
Comments: The limit of contamination, as close possible to the Street and MTA Building 1 evaluated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/20/2009
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/10/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2009
Comments: Field Work on Area 10 completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/16/2016
Comments: Document approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/16/2015
Comments: Plan approved by an e-mail dated 6-16-2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/29/2015
Comments: Wells installed. Fieldwork completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 09/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/30/2008
Comments: The Gas Company excavated and restored the Area 8 for MTA Parking Lot.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CAL GAS/ALISO D MGP (Continued)

S103393772

Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 06/26/1998
 Comments: DTSC and Southern California Gas Company executed a Voluntary Cleanup Agreement to conduct a Preliminary Endangerment Assessment on "Sector D" of the former Aliso Manufactured Gas Plant site.

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2018
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2017
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: 5 Year Review Reports
 Future Due Date: 2024
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Plan
 Future Due Date: 2017
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Operations and Maintenance Report
 Schedule Due Date: 02/12/2017
 Schedule Revised Date: 02/13/2019

206
 SE
 1/4-1/2
 0.397 mi.
 2098 ft.

FRIEDMAN BAG CO INC
801 E COMMERCIAL ST
LOS ANGELES, CA 90012

RCRA-SQG 1000201452
 LUST CAD008236960
 SWEEPS UST
 HIST UST
 CA FID UST
 FINDS
 HAZNET
 HIST CORTESE
 ECHO

Relative:
 Lower

Actual:
 272 ft.

RCRA-SQG:
 Date form received by agency: 09/01/1996
 Facility name: FRIEDMAN BAG CO INC
 Facility address: 801 E COMMERCIAL ST
 LOS ANGELES, CA 90012
 EPA ID: CAD008236960
 Mailing address: PO BOX 3067 TERMINAL ANNEX
 LOS ANGELES, CA 90051
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/04/1982
Site name: FRIEDMAN BAG CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:

Region: STATE
Global Id: T0603700535
Latitude: 34.0528989
Longitude: -118.230732
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/23/2002
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120407
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700535
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700535
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700535
Status: Open - Case Begin Date
Status Date: 04/21/1987

Global Id: T0603700535
Status: Open - Site Assessment
Status Date: 05/05/1987

Global Id: T0603700535
Status: Completed - Case Closed
Status Date: 08/23/2002

Regulatory Activities:

Global Id: T0603700535
Action Type: Other
Date: 04/21/1987
Action: Leak Stopped

Global Id: T0603700535
Action Type: Other
Date: 05/05/1987
Action: Leak Reported

Global Id: T0603700535
Action Type: ENFORCEMENT
Date: 08/23/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

Action: Closure/No Further Action Letter

Global Id: T0603700535
Action Type: ENFORCEMENT
Date: 07/29/2002
Action: Meeting

Global Id: T0603700535
Action Type: Other
Date: 04/21/1987
Action: Leak Discovery

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120407
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700535
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: CENTER
Enforcement Type: CLOS
Date Leak Discovered: 4/21/1987
Date Leak First Reported: 5/5/1987
Date Leak Record Entered: 8/13/1987
Date Confirmation Began: 5/5/1987
Date Leak Stopped: 4/21/1987
Date Case Last Changed on Database: 5/5/1987
Date the Case was Closed: 8/23/2002
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 4394.834841403383480058456443
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: KEN HEKIMIAN
RP Address: 801 E. COMMERCIAL ST.
Program: LUST
Lat/Long: 34.0527548 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: OLD CASE #005041

SWEEPS UST:

Status: Not reported
Comp Number: 1539
Number: Not reported
Board Of Equalization: 44-011858
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001539-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000021061
Facility Type: Other
Other Type: CONTAINER MFG.
Contact Name: RUBEN PRECIADO
Telephone: 2136282341
Owner Name: FRIEDMAN BAG COMPANY
Owner Address: 801 EAST COMMERCIAL STREET
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

CA FID UST:

Facility ID: 19001341
Regulated By: UTKNI
Regulated ID: 00021061
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136282341
Mail To: Not reported
Mailing Address: 801 COMMERCIAL ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

FINDS:

Registry ID: 110064124969

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZNET:

envid: 1000201452
Year: 2002
GEPaid: CAD008236960
Contact: LEROY J. LOVIER PLANT MANAGER
Telephone: 2136282341
Mailing Name: Not reported
Mailing Address: 706 DUCOMMUN ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 18.85
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201452
Year: 2002
GEPaid: CAD008236960

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

Contact: LEROY J. LOVIER PLANT MANAGER
Telephone: 2136282341
Mailing Name: Not reported
Mailing Address: 706 DUCOMMUN ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.06
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201452
Year: 2002
GEPaid: CAD008236960
Contact: LEROY J. LOVIER PLANT MANAGER
Telephone: 2136282341
Mailing Name: Not reported
Mailing Address: 706 DUCOMMUN ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT000613935
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.16
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201452
Year: 2001
GEPaid: CAD008236960
Contact: LEROY J. LOVIER PLANT MANAGER
Telephone: 2136282341
Mailing Name: Not reported
Mailing Address: 706 DUCOMMUN ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT000613935
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.62
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201452
Year: 2000
GEPaid: CAD008236960
Contact: LEROY J. LOVIER PLANT MANAGER
Telephone: 2136282341
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEDMAN BAG CO INC (Continued)

1000201452

Mailing Address: 706 DUCOMMUN ST
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Not reported
TSD EPA ID: CAT000613935
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.87
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
14 additional CA_HAZNET: record(s) in the EDR Site Report.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120407

ECHO:

Envid: 1000201452
Registry ID: 110064124969
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110064124969

**AT207
SE
1/4-1/2
0.399 mi.
2109 ft.**

**A & H GREENFIELD SHEET METAL
830 E COMMERCIAL ST
LOS ANGELES, CA 90012**

**SEMS-ARCHIVE 1003878817
CAD981161052**

Site 2 of 3 in cluster AT

**Relative:
Lower**

SEMS-ARCHIVE:
Site ID: 902260
EPA ID: CAD981161052
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
273 ft.**

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0902260
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285993.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291588.00000
Person ID: 13003858.00000

Contact Sequence ID: 13297446.00000
Person ID: 13004003.00000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A & H GREENFIELD SHEET METAL (Continued)

1003878817

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: RAPID TRANSIT DISTRICT (PRESENT OWNER)
 Alias Address: 425 S MAIN
 LOS ANGELES, CA 90013

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
 Date Started: 09/01/85
 Date Completed: 03/01/86
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
 Date Started: / /
 Date Completed: 03/01/86
 Priority Level: Not reported

Action: DISCOVERY
 Date Started: / /
 Date Completed: 11/01/85
 Priority Level: Not reported

AR208
SE
1/4-1/2
0.407 mi.
2147 ft.

MANLEY OIL COMPANY
410 CENTER ST
LOS ANGELES, CA 90012
Site 3 of 3 in cluster AR

ENVIROSTOR **1000283260**
VCP **N/A**
SWEEPS UST
CA FID UST
DEED

Relative:
Lower

ENVIROSTOR:

Facility ID: 60000170
 Status: Certified O&M - Land Use Restrictions Only
 Status Date: 12/05/2007
 Site Code: 301333
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.4
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Folashade Simpson
 Supervisor: Javier Hinojosa
 Division Branch: Cleanup Chatsworth
 Assembly: 53
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: YES
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05131
 Longitude: -118.2309
 APN: 5173-021-002, 5173-021-003, 5173021002, 5173021003
 Past Use: MACHINE SHOP, MANUFACTURED GAS PLANT, MANUFACTURED GAS PLANT
 Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel
 TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes
 Zinc Tetrachloroethylene (PCE Naphthalene
 Confirmed COC: Naphthalene Tetrachloroethylene (PCE 30525-NO 30550-NO 30019-NO
 30024-NO 30025-NO 30100-NO 30312-NO 30003-NO 30013-NO 30593-NO
 30594-NO

Actual:
272 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Potential Description: OTH, SV, OTH, SOIL
Alias Name: Aliso Sector C, Block N
Alias Type: Alternate Name
Alias Name: Manley Oil
Alias Type: Alternate Name
Alias Name: 5173-021-002
Alias Type: APN
Alias Name: 5173-021-003
Alias Type: APN
Alias Name: 5173021002
Alias Type: APN
Alias Name: 5173021003
Alias Type: APN
Alias Name: 110033612892
Alias Type: EPA (FRS #)
Alias Name: 301001
Alias Type: Project Code (Site Code)
Alias Name: 301333
Alias Type: Project Code (Site Code)
Alias Name: 60000170
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 04/09/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/06/2004
Comments: Block N - The Site Investigation Report was approved for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2005
Comments: RAW approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/03/2006
Comments: Completion Report dated 30 Oct 06 accepted by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/09/2006
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/23/2007
Comments: Proposed work was performed without opportunity for DTSC review of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

document. No determination was made regarding the submitted work plan.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/19/2007
Comments: Supplemental soil gas field work performed 15-19 Feb 07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/27/2007
Comments: No change in site conditions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2008
Comments: Annual Inspection Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/14/2007
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/06/2013
Comments: Inspection completed and documented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/20/2004
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Phase 1
Schedule Due Date: 01/19/2017
Schedule Revised Date: Not reported

VCP:

Facility ID: 60000170
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Folashade Simpson
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301333
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Cleanup Program

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Status: Certified O&M - Land Use Restrictions Only
Status Date: 12/05/2007
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05131 / -118.2309
APN: 5173-021-002, 5173-021-003, 5173021002, 5173021003
Past Use: MACHINE SHOP, MANUFACTURED GAS PLANT, MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594, 30022, 30484
Confirmed COC: 30484,30022,,
,30525-NO,30550-NO,30019-NO,30024-NO,30025-NO,30100-NO,30312-NO,30003-NO,30013-NO,30593-NO,30594-NO
Potential Description: OTH, SV, OTH, SOIL
Alias Name: Aliso Sector C, Block N
Alias Type: Alternate Name
Alias Name: Manley Oil
Alias Type: Alternate Name
Alias Name: 5173-021-002
Alias Type: APN
Alias Name: 5173-021-003
Alias Type: APN
Alias Name: 5173021002
Alias Type: APN
Alias Name: 5173021003
Alias Type: APN
Alias Name: 110033612892
Alias Type: EPA (FRS #)
Alias Name: 301001
Alias Type: Project Code (Site Code)
Alias Name: 301333
Alias Type: Project Code (Site Code)
Alias Name: 60000170
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 04/09/2007
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/06/2004
Comments: Block N - The Site Investigation Report was approved for the Site.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2005
Comments: RAW approved
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/03/2006
Comments: Completion Report dated 30 Oct 06 accepted by DTSC

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/09/2006
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/23/2007
Comments: Proposed work was performed without opportunity for DTSC review of document. No determination was made regarding the submitted work plan.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/19/2007
Comments: Supplemental soil gas field work performed 15-19 Feb 07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/27/2007
Comments: No change in site conditions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2008
Comments: Annual Inspection Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/14/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/06/2013
Comments: Inspection completed and documented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/20/2004
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Phase 1
Schedule Due Date: 01/19/2017
Schedule Revised Date: Not reported

SWEEPS UST:

Status: Not reported
Comp Number: 1030
Number: Not reported
Board Of Equalization: 44-011544
Referral Date: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001030-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 2

Status: Not reported
Comp Number: 1030
Number: Not reported
Board Of Equalization: 44-011544
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001030-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19024686
Regulated By: UTNKI
Regulated ID: 00016899
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136285674
Mail To: Not reported
Mailing Address: 410 CENTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

DEED:

Envirostor ID: 60000170
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANLEY OIL COMPANY (Continued)

1000283260

Deed Date(s): 12/05/2007

AV209 LA COUNTY CENTRAL JAIL
ENE 441 BAUCHET
1/4-1/2 LOS ANGELES, CA 90012
0.407 mi.
2151 ft. Site 1 of 3 in cluster AV

LUST S103973963
CHMIRS N/A
HIST CORTESE

Relative:
Higher

LUST:

Actual:
293 ft.

Region: STATE
Global Id: T0603700525
Latitude: 34.0598679
Longitude: -118.2298521
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/13/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120298
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700525
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700525
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700525
Status: Open - Case Begin Date
Status Date: 03/10/1992

Global Id: T0603700525
Status: Open - Site Assessment
Status Date: 03/10/1992

Global Id: T0603700525
Status: Open - Site Assessment

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA COUNTY CENTRAL JAIL (Continued)

S103973963

Status Date: 04/30/1996

Global Id: T0603700525
Status: Completed - Case Closed
Status Date: 05/13/1997

Regulatory Activities:
Global Id: T0603700525
Action Type: Other
Date: 04/30/1996
Action: Leak Reported

CHMIRS:
OES Incident Number: 15-2154
OES notification: 04/16/2015
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: Unknown
Spill Site: Other
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: OTHER
Measure: Unknown
Other: Bags
Date/Time: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA COUNTY CENTRAL JAIL (Continued)

S103973963

Year:	2015
Agency:	Anonymous
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Unknown
E Date:	Not reported
Substance:	Cellophane bags
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states while an inmate at the jail other inmates were seen flushing garbage down the toilets.
OES Incident Number:	1-0440
OES notification:	01/22/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA COUNTY CENTRAL JAIL (Continued)

S103973963

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Men's County Jail
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1425
Year:	2011
Agency:	Los Angeles County
Incident Date:	1/22/2011
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Grease and debris blockage in the line caused this release.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120298

AV210 **LA CO., SHERIFF'S DEPT**
ENE **441 BAUCHET ST**
1/4-1/2 **LOS ANGELES, CA 90012**
0.407 mi.
2151 ft. **Site 2 of 3 in cluster AV**

LUST **S100851756**
HIST UST **N/A**
EMI
LA Co. Site Mitigation

Relative: **LUST REG 4:**
Higher Region: 4
 Regional Board: 04
Actual: County: Los Angeles
293 ft.

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

Facility Id:	900120298	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700525	
W Global ID:	W0605100649	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	VIGNES ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		4/30/1996
Date Leak Record Entered:	10/9/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/25/1997
Date the Case was Closed:		5/13/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	LT. JIM WETZEL (SEE SUMMARY)	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3989.9407992017821072872372382
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		3/10/1992
Pollution Characterization Began:		4/30/1996
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		88
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	LA CO SHERIFF'S DEPT	
RP Address:	1060 EASTERN AVE, LOS ANGELES CA 90063	
Program:	LUST	
Lat/Long:	34.0605975 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	CHARLES BUCKLEY, CALIFORNIA ENVIRONMENTAL SAME ADDRESS AS (496 BAUCHET ST, 429 BAUCHET ST, 498 BAUCHETST)	
		2/485-0606

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

HIST UST:

File Number: 00027784
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027784.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 18753
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 23
SOX - Oxides of Sulphur Tons/Yr: 42
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smlr Tons/Yr:5

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 18753
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9233
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9233
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9233
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9233
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.23737
Reactive Organic Gases Tons/Yr: 0.22
Carbon Monoxide Emissions Tons/Yr: 0.253
NOX - Oxides of Nitrogen Tons/Yr: 1.067
SOX - Oxides of Sulphur Tons/Yr: 0.015014
Particulate Matter Tons/Yr: 0.07490003
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.08

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.059303294783507845
Reactive Organic Gases Tons/Yr: .578022555
Carbon Monoxide Emissions Tons/Yr: 5.43
NOX - Oxides of Nitrogen Tons/Yr: 6.76
SOX - Oxides of Sulphur Tons/Yr: .032959375

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

Particulate Matter Tons/Yr: .496574375
Part. Matter 10 Micrometers and Smlr Tons/Yr:.496574375

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.1415681760438201
Reactive Organic Gases Tons/Yr: 0.61580999999999997
Carbon Monoxide Emissions Tons/Yr: 5.92143
NOX - Oxides of Nitrogen Tons/Yr: 7.1600000000000001
SOX - Oxides of Sulphur Tons/Yr: 0.0415856
Particulate Matter Tons/Yr: 0.53908599999999995
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.53883061379999997

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2536841647596499
Reactive Organic Gases Tons/Yr: 0.68435000000000001
Carbon Monoxide Emissions Tons/Yr: 6.3207000000000004
NOX - Oxides of Nitrogen Tons/Yr: 7.6394000000000002
SOX - Oxides of Sulphur Tons/Yr: 4.6800000000000001E-2
Particulate Matter Tons/Yr: 0.57926
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.57901069999999999

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.1946958961
Reactive Organic Gases Tons/Yr: 0.66827
Carbon Monoxide Emissions Tons/Yr: 5.83856
NOX - Oxides of Nitrogen Tons/Yr: 7.03509
SOX - Oxides of Sulphur Tons/Yr: 0.0428
Particulate Matter Tons/Yr: 0.53352
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.53336424

Year: 2012
County Code: 19
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., SHERIFF'S DEPT (Continued)

S100851756

Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.7146121662
Reactive Organic Gases Tons/Yr: 1.70266
Carbon Monoxide Emissions Tons/Yr: 0.68351
NOX - Oxides of Nitrogen Tons/Yr: 2.67611
SOX - Oxides of Sulphur Tons/Yr: 0.04181
Particulate Matter Tons/Yr: 0.49205
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.49180286

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2956960021
Reactive Organic Gases Tons/Yr: 0.68769
Carbon Monoxide Emissions Tons/Yr: 6.76379
NOX - Oxides of Nitrogen Tons/Yr: 8.18655
SOX - Oxides of Sulphur Tons/Yr: 0.04825
Particulate Matter Tons/Yr: 0.62071
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.6204508

Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 29411
Air District Name: SC
SIC Code: 9221
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.1186687342
Reactive Organic Gases Tons/Yr: 0.64745
Carbon Monoxide Emissions Tons/Yr: 5.65239
NOX - Oxides of Nitrogen Tons/Yr: 0.72116
SOX - Oxides of Sulphur Tons/Yr: 0.04022
Particulate Matter Tons/Yr: 0.51959
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.51933272

LA Co. Site Mitigation:

Facility ID: Not reported
Site ID: SD0000646
Jurisdiction: Not reported
Case ID: RO0001644
Abated: No
Assigned To: Richard Clark
Entered Date: Not reported
Abated Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT211 **SO CAL GAS/ALISO SECTOR C, BLOCK K**
SE **NORTHEAST CORNER OF DUCOMMUN AND CENTER STREETS**
1/4-1/2 **LOS ANGELES, CA 90012**

ENVIROSTOR **S107737355**
VCP **N/A**
DEED

0.411 mi.
2172 ft. **Site 3 of 3 in cluster AT**

Relative:
Lower

ENVIROSTOR:

Facility ID: 60000171
Status: Active
Status Date: 01/19/2001
Site Code: 300885
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.8
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05214
Longitude: -118.2308
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Lead TPH-diesel TPH-gas 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc Polynuclear aromatic hydrocarbons (PAHs)
Confirmed COC: Not reported
Potential Description: OTH, SOIL
Alias Name: 110033609432
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000171
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK K (Continued)

S107737355

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/07/2016
Comments: The Site is certified for the soil. LUC has been recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/09/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/25/2005
Comments: DTSC approved the RI Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2005
Comments: RAW approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/09/2005
Comments: Plan executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/06/2008
Comments: All fieldwork on subject property is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/24/2009
Comments: RAW Completion Report - approved!

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60000171
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK K (Continued)

S107737355

Acres: 1.8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300885
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/19/2001
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05214 / -118.2308
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30024, 30025, 30100, 30312, 30525, 30550, 30593, 30594, 30019
Confirmed COC: , ,
Potential Description: OTH, SOIL
Alias Name: 110033609432
Alias Type: EPA (FRS #)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60000171
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/04/2002
Comments: Remedial Investigation Master Work Plan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/07/2016
Comments: The Site is certified for the soil. LUC has been recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCK K (Continued)

S107737355

Completed Date: 09/09/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/25/2005
Comments: DTSC approved the RI Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/09/2005
Comments: RAW approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/09/2005
Comments: Plan executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/06/2008
Comments: All fieldwork on subject property is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/24/2009
Comments: RAW Completion Report - approved!

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 60000171
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/09/2016

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

212
 North
 1/4-1/2
 0.415 mi.
 2190 ft.

BLOSSOM PLAZA MIXED USE COMMUNITY
900 NORTH BROADWAY STREET
LOS ANGELES, CA 90012

ENVIROSTOR S109691862
VCP N/A
ENF
NPDES

Relative:
Higher

ENVIROSTOR:

Actual:
307 ft.

Facility ID: 60001902
 Status: Certified
 Status Date: 04/14/2015
 Site Code: 301619
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 1.9
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.06425
 Longitude: -118.2366
 APN: 5414013012, 5414013900
 Past Use: HOTEL, RETAIL, RETAIL - SERVICE STATION, UNDERGROUND STORAGE TANKS
 Potential COC: Under Investigation Benzene Lead Methane TPH-diesel TPH-gas
 Ethylbenzene Toluene Xylenes
 Confirmed COC: Benzene 30013-NO Methane 30024-NO 30025-NO Ethylbenzene Xylenes
 Toluene 31001-NO
 Potential Description: OTH, SOIL, SV, UE
 Alias Name: 5414013012
 Alias Type: APN
 Alias Name: 5414013900
 Alias Type: APN
 Alias Name: 301619
 Alias Type: Project Code (Site Code)
 Alias Name: 60001902
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 06/09/2013
 Comments: DTSC and Project Proponent (Forest City Blossom, LLC) entered into a Voluntary Cleanup Agreement to review and comment on PEAE documents.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 08/27/2013
 Comments: Further action required at the Site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Completed Document Type: Site Characterization Workplan
Completed Date: 09/18/2013
Comments: DTSC reviewed and approved the Soil Vapor Sampling Plan to characterize the presence and nature of VOCs, methane, and hydrogen sulfide in the vadose zone beneath the proposed building foundation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/20/2013
Comments: DTSC approved the Soil Vapor Survey Results and determined no further environmental investigation of the Site is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/18/2013
Comments: DTSC concurred with the Risk Management Plan for soil, soil vapor, and groundwater for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/18/2013
Comments: DTSC approved the HHRE. Based on the HHRE, the residual petroleum-related VOCs detected in soil vapor do not pose an unacceptable risk to future occupants in the proposed multi-level buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/21/2014
Comments: DTSC approved final TCRA Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/2015
Comments: Approval of Final Utility Trench Results

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/06/2015
Comments: Work Plan Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/01/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Comments: Sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/01/2013
Comments: VCA Amendment to amend Scope of Work and DTSC Oversight Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 12/20/2013
Comments: Based on available Site data, DTSC concludes that further environmental investigation of the Site is not required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/18/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001902
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301619
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Certified
Status Date: 04/14/2015
Restricted Use: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Funding: Responsible Party
Lat/Long: 34.06425 / -118.2366
APN: 5414013012, 5414013900
Past Use: HOTEL, RETAIL, RETAIL - SERVICE STATION, UNDERGROUND STORAGE TANKS
Potential COC: 31001, 30003, 30013, 30015, 30024, 30025, 30272, 30550, 30593
Confirmed COC: 30003,30013-NO,30015,30024-NO,30025-NO,30272,30593,30550,31001-NO
Potential Description: OTH, SOIL, SV, UE
Alias Name: 5414013012
Alias Type: APN
Alias Name: 5414013900
Alias Type: APN
Alias Name: 301619
Alias Type: Project Code (Site Code)
Alias Name: 60001902
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/09/2013
Comments: DTSC and Project Proponent (Forest City Blossom, LLC) entered into a Voluntary Cleanup Agreement to review and comment on PEAE documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/27/2013
Comments: Further action required at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/18/2013
Comments: DTSC reviewed and approved the Soil Vapor Sampling Plan to characterize the presence and nature of VOCs, methane, and hydrogen sulfide in the vadose zone beneath the proposed building foundation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/20/2013
Comments: DTSC approved the Soil Vapor Survey Results and determined no further environmental investigation of the Site is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/18/2013
Comments: DTSC concurred with the Risk Management Plan for soil, soil vapor, and groundwater for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/18/2013
Comments: DTSC approved the HHRE. Based on the HHRE, the residual petroleum-related VOCs detected in soil vapor do not pose an

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

unacceptable risk to future occupants in the proposed multi-level buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/21/2014
Comments: DTSC approved final TCRA Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/2015
Comments: Approval of Final Utility Trench Results

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/06/2015
Comments: Work Plan Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/01/2015
Comments: Sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/01/2013
Comments: VCA Amendment to amend Scope of Work and DTSC Oversight Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 12/20/2013
Comments: Based on available Site data, DTSC concludes that further environmental investigation of the Site is not required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/18/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENF:

Region: 4
Facility Id: 633078
Agency Name: Los Angeles City Dept of Transportation
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: City Agency
Of Agencies: 1
Place Latitude: 34.064167
Place Longitude: -118.237500
SIC Code 1: 6512
SIC Desc 1: Operators of Nonresidential Buildings
SIC Code 2: 6552
SIC Desc 2: Land Subdividers and Developers, Except Cemeteries
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.144
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDNONMUNIPRCS
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B197500075
Reg Measure Id: 302412
Reg Measure Type: Enrollee
Region: 4
Order #: R4-2008-0032
Npdes# CA#: CAG994004
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

301H: Not reported
Application Fee Amt Received: 4800
Status: Historical
Status Date: 11/15/2013
Effective Date: 08/30/2005
Expiration/Review Date: 06/05/2013
Termination Date: 11/12/2013
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: Y
Individual/General: I
Fee Code: 15 - WDRs pending rescission
Direction/Voice: Passive
Enforcement Id(EID): 359085
Region: 4
Order / Resolution Number: R4-2008-0186-M
Enforcement Action Type: Expedited Payment Letter
Effective Date: 12/19/2008
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 07/06/2010
ACL Issuance Date: Not reported
EPL Issuance Date: 12/19/2008
Status: Withdrawn
Title: Expedited Payment Letter sent 12/19/08 for 8 late monitoring reports.
Description: Expedited Payment Letter sent 12/19/08 for 8 late monitoring reports. MMP amt for 8 late monitoring reports: \$300,000 to WDPF. Per 2009 Enforcement Policy Late Report w/o discharge are exempt from MMPs.
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0
Region: 4
Facility Id: 633078
Agency Name: Los Angeles City Dept of Transportation
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: City Agency
Of Agencies: 1
Place Latitude: 34.064167
Place Longitude: -118.237500
SIC Code 1: 6512
SIC Desc 1: Operators of Nonresidential Buildings
SIC Code 2: 6552

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

SIC Desc 2:	Land Subdividers and Developers, Except Cemeteries
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.144
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B197500075
Reg Measure Id:	302412
Reg Measure Type:	Enrollee
Region:	4
Order #:	R4-2008-0032
Npdes# CA#:	CAG994004
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4800
Status:	Historical
Status Date:	11/15/2013
Effective Date:	08/30/2005
Expiration/Review Date:	06/05/2013
Termination Date:	11/12/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	341730
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	01/29/2008
Adoption/Issuance Date:	01/29/2008
Achieve Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Termination Date: 02/01/2008
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV sent 1/29/08 for 9 overdue DMRs (3Q05-3Q07).
Description: NOV sent 1/29/08 for 9 overdue DMRs (3Q05-3Q07).
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

NPDES:

Npdes Number: CAG994004
Facility Status: Historical
Agency Id: 543837
Region: 4
Regulatory Measure Id: 393645
Order No: R4-2013-0095
Regulatory Measure Type: Enrollee
Place Id: 633078
WDID: 4B198901023
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/19/2013
Expiration Date Of Regulatory Measure: 07/06/2018
Termination Date Of Regulatory Measure: 02/23/2015
Discharge Name: Forest City Blossom, LLC
Discharge Address: 949 South Hope Street
Discharge City: Los Angeles
Discharge State: CA
Discharge Zip: 90015
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESCRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 4
Regulatory Measure Id: 441290
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C368017
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/18/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 05/23/2016
Discharge Name: Forest City Blossom LLC
Discharge Address: 949 S Hope Street
Discharge City: Los Angeles
Discharge State: California
Discharge Zip: 90015
RECEIVED DATE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	441290
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C368017
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	5/23/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/2/2013
PROCESSED DATE:	10/18/2013
STATUS CODE NAME:	Terminated
STATUS DATE:	8/16/2016
PLACE SIZE:	1.86
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Frank Frallicciardi
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	213-416-2200
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	FrankFrallicciardi@ForestCity.net
OPERATOR NAME:	Forest City Blossom LLC
OPERATOR ADDRESS:	949 S Hope Street
OPERATOR CITY:	Los Angeles
OPERATOR STATE:	California
OPERATOR ZIP:	90015
OPERATOR CONTACT NAME:	Frank Frallicciardi
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	213-416-2200
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	FrankFrallicciardi@ForestCity.net
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Forest City Blossom LLC
DEVELOPER ADDRESS:	949 S Hope Street
DEVELOPER CITY:	Los Angeles
DEVELOPER STATE:	California
DEVELOPER ZIP:	90015
DEVELOPER CONTACT NAME:	Frank Frallicciardi
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BLOSSOM PLAZA MIXED USE COMMUNITY (Continued)

S109691862

CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	Y
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Frank Frallicciardi
CERTIFIER TITLE:	Vice President
CERTIFICATION DATE:	02-OCT-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

**AV213
 ENE
 1/4-1/2
 0.416 mi.
 2197 ft.**

**SO CAL GAS/ALISO E MGP - 496 BAUCHET STREET
 SECTOR E EXTENDS FROM THE SURVED SECTION OF BAUCHET STREET N
 LOS ANGELES, CA 90012**

**ENVIROSTOR S107737353
 VCP N/A
 DEED**

Site 3 of 3 in cluster AV

**Relative:
 Higher**

ENVIROSTOR:

Facility ID:	70000159
Status:	Active
Status Date:	06/21/2010
Site Code:	301200
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	9
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Chand Sultana
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.05979
Longitude:	-118.2300
APN:	NONE SPECIFIED
Past Use:	METAL PLATING - OTHER
Potential COC:	Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	30019-NO 30018-NO
Potential Description:	OTH, SOIL, SV, IA
Alias Name:	110033609405
Alias Type:	EPA (FRS #)
Alias Name:	300626
Alias Type:	Project Code (Site Code)
Alias Name:	300885
Alias Type:	Project Code (Site Code)

**Actual:
 292 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO E MGP - 496 BAUCHET STREET (Continued)

S107737353

Alias Name: 301200
Alias Type: Project Code (Site Code)
Alias Name: 70000159
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/13/2001
Comments: DTSC approved the use of SVE to treat VOCs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/31/1998
Comments: PEA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/22/2006
Comments: RI Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/01/2008
Comments: DTSC approved the Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 12/22/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO E MGP - 496 BAUCHET STREET (Continued)

S107737353

Comments: Field Work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/12/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/30/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/30/1996
Comments: VCA signed for the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/12/2013
Comments: Gas Co. and DTSC signed the Agreement.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 70000159
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301200
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 06/21/2010
Restricted Use: YES
Funding: Responsible Party

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO E MGP - 496 BAUCHET STREET (Continued)

S107737353

Lat/Long: 34.05979 / -118.2300
APN: NONE SPECIFIED
Past Use: METAL PLATING - OTHER
Potential COC: 30018, 30019
Confirmed COC: 30019-NO,30018-NO
Potential Description: OTH, SOIL, SV, IA
Alias Name: 110033609405
Alias Type: EPA (FRS #)
Alias Name: 300626
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 301200
Alias Type: Project Code (Site Code)
Alias Name: 70000159
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/13/2001
Comments: DTSC approved the use of SVE to treat VOCs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/31/1998
Comments: PEA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/22/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO E MGP - 496 BAUCHET STREET (Continued)

S107737353

Comments: RI Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/01/2008
Comments: DTSC approved the Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 12/22/2007
Comments: Field Work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/12/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/30/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/30/1996
Comments: VCA signed for the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/12/2013
Comments: Gas Co. and DTSC signed the Agreement.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 70000159
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 01/15/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

214 **LOS ANGELES TIMES**
SW **214 002ND ST E**
1/4-1/2 **LOS ANGELES, CA 90012**
0.417 mi.
2204 ft.

LUST **S104406275**
HIST CORTESE **N/A**

Relative:
Lower

LUST:

Actual:
276 ft.

Region: STATE
Global Id: T0603700521
Latitude: 34.0499191
Longitude: -118.2431941
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/19/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120252
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700521
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700521
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700521
Status: Open - Case Begin Date
Status Date: 08/21/1992

Global Id: T0603700521
Status: Open - Site Assessment
Status Date: 08/21/1992

Global Id: T0603700521
Status: Completed - Case Closed
Status Date: 07/19/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TIMES (Continued)

S104406275

Regulatory Activities:

Global Id: T0603700521
Action Type: Other
Date: 10/19/1992
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120252
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700521
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: BROADWAY
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/19/1992
Date Leak Record Entered: 11/4/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/10/1992
Date the Case was Closed: 7/19/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE #111092-01
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported
Approx. Dist To Production Well (ft): 2218.0336620359892245006855142
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 8/21/1992
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: LOS ANGELES TIMES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TIMES (Continued)

S104406275

RP Address: 145 S SPRING ST, 9TH FL, SAFETY DEPT, LA CA 90053
Program: LUST
Lat/Long: 34.0499191 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600582-001GEN
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120252

AU215
East
1/4-1/2
0.434 mi.
2294 ft.

ALISO STREET INVESTIGATION
BAUCHET STREET, TEMPLE STREET, CESAR CEVAZ, VIGNES STREET, K
LOS ANGELES, CA 90013

ENVIROSTOR **S109821389**
VCP **N/A**

Site 2 of 2 in cluster AU

Relative:
Higher

ENVIROSTOR:

Actual:
285 ft.

Facility ID: 60001142
Status: Active
Status Date: 06/01/2009
Site Code: 300885
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 52
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05611
Longitude: -118.229
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Lead Methyl tertbutyl ether (MTBE Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA TPH-MOTOR OIL Polychlorinated biphenyls (PCBs Trichloroethylene (TCE Lead
Potential Description: SOIL
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60001142

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO STREET INVESTIGATION (Continued)

S109821389

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014
Comments: 2014-2015 Estimated Oversight Costs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/08/2009
Comments: DTSC approved the Workplan to perform investigation on Aliso Streets.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2010
Comments: Fieldwork for Aliso Streets Investigation was completed in 2010.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001142
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 52
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO STREET INVESTIGATION (Continued)

S109821389

Division Branch: Cleanup Chatsworth
Site Code: 300885
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 06/01/2009
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05611 / -118.229
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30013, 30016, 30018, 30019, 30024, 30025, 3002502, 30026, 30027
Confirmed COC: 30019,30024,30025,30026,3002502,30018,30027,30013
Potential Description: SOIL
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 60001142
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2014
Comments: 2014-2015 Estimated Oversight Costs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/08/2009
Comments: DTSC approved the Workplan to perform investigation on Aliso Streets.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2010
Comments: Fieldwork for Aliso Streets Investigation was completed in 2010.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALISO STREET INVESTIGATION (Continued)

S109821389

Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**AW216
 SE
 1/4-1/2
 0.438 mi.
 2315 ft.**

**SO CAL GAS/ALISO SECTOR C, BLOCKS Q&R
 SOUTHEAST AND SOUTHWEST CORNERS OF JACKSON AND CENTER STREET
 LOS ANGELES, CA 90012**

**ENVIROSTOR S107737358
 VCP N/A**

Site 1 of 2 in cluster AW

**Relative:
 Lower**

ENVIROSTOR:

Facility ID: 60000172
 Status: Active
 Status Date: 07/15/2010
 Site Code: 300999
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 2
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 53
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05056
 Longitude: -118.2316
 APN: NONE SPECIFIED
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs 1,3-Butadiene Hexachlorobutadiene Styrene Toluene Xylenes Zinc

**Actual:
 270 ft.**

Confirmed COC: 30525-NO 30550-NO 30019-NO 30100-NO 30312-NO 30003-NO 30013-NO 30593-NO 30594-NO

Potential Description: OTH, SOIL
 Alias Name: 110033609469
 Alias Type: EPA (FRS #)
 Alias Name: 300999
 Alias Type: Project Code (Site Code)
 Alias Name: 60000172
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 01/03/2001
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Workplan
 Completed Date: 09/24/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCKS Q&R (Continued)

S107737358

Comments: Work Plan is satisfactory.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/25/2014
Comments: DTSC comments are addressed and report approved with deed restriction.
Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60000172
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300999
Assembly: 53
Senate: 24

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCKS Q&R (Continued)

S107737358

Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 07/15/2010
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05056 / -118.2316
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30013, 30019, 30100, 30312, 30525, 30550, 30593, 30594
Confirmed COC: 30525-NO,30550-NO,30019-NO,30100-NO,30312-NO,30003-NO,30013-NO,
30593-NO,30594-NO
Potential Description: OTH, SOIL
Alias Name: 110033609469
Alias Type: EPA (FRS #)
Alias Name: 300999
Alias Type: Project Code (Site Code)
Alias Name: 60000172
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/03/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/24/2001
Comments: Work Plan is satisfactory.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/25/2014
Comments: DTSC comments are addressed and report approved with deed restriction.
Not reported

Future Area Name: PROJECT WIDE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CAL GAS/ALISO SECTOR C, BLOCKS Q&R (Continued)

S107737358

Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2018
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2018
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**AW217
 SE
 1/4-1/2
 0.449 mi.
 2371 ft.**

**ALISO SECTOR C BLOCK R
 820 EAST JACKSON STREET
 LOS ANGELES, CA 90012**

**ENVIROSTOR S113804690
 VCP N/A**

Site 2 of 2 in cluster AW

**Relative:
 Lower**

ENVIROSTOR:

Facility ID: 60001890
 Status: Active
 Status Date: 04/01/2013
 Site Code: 301617
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 16
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 53
 Senate: 24
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05056
 Longitude: -118.2316
 APN: NONE SPECIFIED
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: Benzene Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride
 Confirmed COC: Benzene Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride
 Potential Description: OTH, SOIL
 Alias Name: 301617
 Alias Type: Project Code (Site Code)
 Alias Name: 60001890
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 11/04/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO SECTOR C BLOCK R (Continued)

S113804690

Comments: completed

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001890
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 16
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301617
Assembly: 53
Senate: 24
Special Programs Code: Not reported
Status: Active
Status Date: 04/01/2013
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05056 / -118.2316
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30019, 30022, 30026, 30027, 30028
Confirmed COC: 30003,30019,30022,30026,30027,30028
Potential Description: OTH, SOIL
Alias Name: 301617
Alias Type: Project Code (Site Code)
Alias Name: 60001890
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/04/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALISO SECTOR C BLOCK R (Continued)

S113804690

Comments: completed

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

218
West
1/4-1/2
0.451 mi.
2379 ft.

HAIWEE RESERVOIR COMPLEX
111 N HOPE ST RM A18
LOS ANGELES, CA 90012

HIST UST U001560514
Cortese N/A

Relative:
Higher

HIST UST:
File Number: 00027605
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027605.pdf>
Region: STATE
Facility ID: 00000064836
Facility Type: Other
Other Type: WATER/ELECTRIC UTILI
Contact Name: JOHN JENNINGS
Telephone: 2134814460
Owner Name: DEPARTMENT OF WATER AND POWER
Owner Address: 111 N. HOPE STREET
Owner City,St,Zip: LOS ANGELES, CA 90012
Total Tanks: 0012

Actual:
402 ft.

Tank Num: 001
Container Num: 0107/CLARI
Year Installed: 1964
Tank Capacity: 00001600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 002
Container Num: 0108/SUMP
Year Installed: 1964
Tank Capacity: 00000270
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAIWEE RESERVOIR COMPLEX (Continued)

U001560514

Tank Num:	003
Container Num:	0109/SUMP
Year Installed:	1964
Tank Capacity:	00000270
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	None
Tank Num:	004
Container Num:	000000001
Year Installed:	Not reported
Tank Capacity:	00000270
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	None
Tank Num:	005
Container Num:	01110/T-21
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	0112/T-22
Year Installed:	1964
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	0113/T-23
Year Installed:	1964
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	008
Container Num:	0114/T-24
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	009
Container Num:	0115/T-25
Year Installed:	1964

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAIWEE RESERVOIR COMPLEX (Continued)

U001560514

Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	010
Container Num:	0116/T-27
Year Installed:	1964
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	011
Container Num:	0117/T-8
Year Installed:	1964
Tank Capacity:	00000800
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	012
Container Num:	0118/T-9
Year Installed:	1964
Tank Capacity:	00000800
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

[Click here for Geo Tracker PDF:](#)

CORTESE:

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	6B
WID Id:	6B149503N01
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AX219 **JIMMIE JOE'S TEXACO**
North **900 HILL ST N**
1/4-1/2 **LOS ANGELES, CA 90012**
0.461 mi.
2436 ft. **Site 1 of 2 in cluster AX**

LUST **S103438018**
 N/A

Relative:
Higher

LUST:

Actual:
315 ft.

Region: STATE
Global Id: T0603700530
Latitude: 34.0643534
Longitude: -118.238579
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 02/27/2008
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120343
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700530
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700530
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiany@waterboards.ca.gov
Phone Number: 2135766699

Status History:

Global Id: T0603700530
Status: Open - Case Begin Date
Status Date: 07/01/1994

Global Id: T0603700530
Status: Open - Site Assessment
Status Date: 07/01/1994

Global Id: T0603700530
Status: Open - Site Assessment
Status Date: 08/18/2000

Global Id: T0603700530

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

Status: Open - Site Assessment
Status Date: 09/28/2000

Global Id: T0603700530
Status: Open - Site Assessment
Status Date: 06/27/2006

Global Id: T0603700530
Status: Open - Remediation
Status Date: 02/27/2008

Regulatory Activities:

Global Id: T0603700530
Action Type: RESPONSE
Date: 04/18/2011
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603700530
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: REMEDIATION
Date: 02/27/2008
Action: Dual Phase Extraction

Global Id: T0603700530
Action Type: RESPONSE
Date: 09/15/2016
Action: Remedial Progress Report

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 06/17/2002
Action: Warning Letter

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603700530
Action Type: Other
Date: 07/01/1994
Action: Leak Reported

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

Global Id:	T0603700530
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	10/15/2012
Action:	Remedial Progress Report
Global Id:	T0603700530
Action Type:	ENFORCEMENT
Date:	08/12/2002
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Remedial Progress Report
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

Date: 10/22/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603700530
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700530
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700530
Action Type: RESPONSE
Date: 10/05/2007
Action: Interim Remedial Action Plan

Global Id: T0603700530
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700530
Action Type: RESPONSE
Date: 10/15/2013
Action: Remedial Progress Report

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 01/14/2015
Action: Staff Letter

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 12/08/2015
Action: Staff Letter

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603700530
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700530
Action Type: RESPONSE
Date: 04/01/2008
Action: Well Installation Report

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

Global Id:	T0603700530
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Remedial Progress Report
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Remedial Progress Report
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	12/24/2014
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0603700530
Action Type:	REMEDIATION
Date:	02/27/2008
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/28/2009
Action:	Corrective Action Plan / Remedial Action Plan - Addendum
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	04/27/2010
Action:	Well Installation Report
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Remedial Progress Report
Global Id:	T0603700530
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700530
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: RESPONSE
Date: 08/31/2002
Action: Soil and Water Investigation Report

Global Id: T0603700530
Action Type: RESPONSE
Date: 04/15/2003
Action: Unknown

Global Id: T0603700530
Action Type: RESPONSE
Date: 06/27/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 07/29/2002
Action: Site Visit / Inspection / Sampling

Global Id: T0603700530
Action Type: ENFORCEMENT
Date: 01/16/2003
Action: Staff Letter

Global Id: T0603700530
Action Type: Other
Date: 07/01/1994
Action: Leak Discovery

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603700530
Action Type: RESPONSE
Date: 01/15/2016
Action: Remedial Progress Report

LUST REG 4:

Region: 4
Regional Board: 04

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103438018

County: Los Angeles
Facility Id: 900120343
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700530
W Global ID: W0605100649
Staff: MB
Local Agency: 19050
Cross Street: COLLEGE ST
Enforcement Type: DLSEL
Date Leak Discovered: 7/1/1994
Date Leak First Reported: 7/1/1994
Date Leak Record Entered: 8/12/1998
Date Confirmation Began: 7/1/1994
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/6/2002
Date the Case was Closed: Not reported
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 1809.5683415108026151003878133
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 9/28/2000
Pollution Characterization Began: 8/18/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 9/28/2000
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 2500
Hist Max MTBE Conc in Soil: 24000
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: =
Organization: Not reported
Owner Contact: Not reported
Responsible Party: JIMMIE JOE
RP Address: 1705 VIA NAPOLI
Program: LUST
Lat/Long: 34.0643534 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: WORKPLAN TO ABANDON AND RE-INSTALL 3 ONSITE WELLS AND ONE OFFSITE, DOWNGRAIENT WELL APPROVED

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AX220 **JIMMIE JOE'S TEXACO**
North **900 HILL**
1/4-1/2 **LOS ANGELES, CA 90012**
0.461 mi.
2436 ft. **Site 2 of 2 in cluster AX**

ENF **S103990625**
HIST CORTESE **N/A**

Relative:
Higher

ENF:

Actual:
315 ft.

Region:	4
Facility Id:	233695
Agency Name:	Jimmie Joe
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.064451
Place Longitude:	-118.238702
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900120343
Reg Measure Id:	165660
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103990625

Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230406
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	08/18/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/18/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900120343
Description:	Notice of Violation sent 8/18/00 for FTS 7 groundwater monitoring reports, site assessment workplan & fee title holder information.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	233695
Agency Name:	Jimmie Joe
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.064451
Place Longitude:	-118.238702
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103990625

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900120343
Reg Measure Id:	165660
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	227969
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	09/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900120343
Description:	Second Notice of Violation sent 9/28/00 for overdue: 7 groundwater monitoring reports, site assessment workplan &

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103990625

Program: fee title holder information.
UST
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 4
Facility Id: 233695
Agency Name: Jimmie Joe
Place Type: Facility
Place Subtype: Not reported
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.064451
Place Longitude: -118.238702
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: UST
Program Category1: TANKS
Program Category2: TANKS
Of Programs: 1
WDID: 900120343
Reg Measure Id: 165660
Reg Measure Type: Unregulated
Region: 4
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JIMMIE JOE'S TEXACO (Continued)

S103990625

Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Never Active
Status Date: 02/20/2013
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 227968
Region: 4
Order / Resolution Number: UNKNOWN
Enforcement Action Type: Oral Communication
Effective Date: 09/14/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 09/14/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 900120343
Description: Board staff phoned discharger 9/14/00 for overdue technical reports.
Program: UST
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120343

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

221
East
1/4-1/2
0.470 mi.
2484 ft.

MENDOZA SERVICE, INC.
866 CESAR CHAVEZ ST E
LOS ANGELES, CA 90012

LUST **S102523295**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
284 ft.

Region: STATE
Global Id: T0603700526
Latitude: 34.0625435136517
Longitude: -118.246686458588
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/25/2000
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120307
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700526
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700526
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700526
Status: Open - Case Begin Date
Status Date: 11/01/1994

Global Id: T0603700526
Status: Open - Site Assessment
Status Date: 10/07/1996

Global Id: T0603700526
Status: Open - Site Assessment
Status Date: 04/30/1997

Global Id: T0603700526

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MENDOZA SERVICE, INC. (Continued)

S102523295

Status: Open - Site Assessment
 Status Date: 01/28/1998

Global Id: T0603700526
 Status: Completed - Case Closed
 Status Date: 09/25/2000

Regulatory Activities:

Global Id: T0603700526
 Action Type: Other
 Date: 11/01/1994
 Action: Leak Stopped

Global Id: T0603700526
 Action Type: Other
 Date: 12/06/1996
 Action: Leak Reported

Global Id: T0603700526
 Action Type: Other
 Date: 11/01/1994
 Action: Leak Discovery

LUST REG 4:

Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 900120307
 Status: Case Closed
 Substance: Gasoline
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: Not reported
 Global ID: T0603700526
 W Global ID: W0605100649
 Staff: AT
 Local Agency: 19050
 Cross Street: MISSION RD
 Enforcement Type: Not reported
 Date Leak Discovered: 11/1/1994
 Date Leak First Reported: 12/6/1996
 Date Leak Record Entered: 3/5/1997
 Date Confirmation Began: Not reported
 Date Leak Stopped: 11/1/1994
 Date Case Last Changed on Database: 9/14/2000
 Date the Case was Closed: 9/25/2000
 How Leak Discovered: Tank Closure
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Piping
 Operator: Not reported
 Water System: DAVE GRIFFITH L A D W P
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 1184.6656460890888424543291193

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MENDOZA SERVICE, INC. (Continued)

S102523295

Source of Cleanup Funding: Piping
 Preliminary Site Assessment Workplan Submitted: 10/7/1996
 Preliminary Site Assessment Began: 4/30/1997
 Pollution Characterization Began: 1/28/1998
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: 1/1/1965
 Hist Max MTBE Conc in Groundwater: 522
 Hist Max MTBE Conc in Soil: 42
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: MENDOZA, RICHARD
 RP Address: 3410 BRANDON BLVD, PASADENA CA 91107
 Program: LUST
 Lat/Long: 34.0619735 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600649-001GEN
 Summary: HIGHEST MTBE IN GW FOUND IN B-1(BORING) 5,030 PPB.ON 8/17/96; 2/8/99
 DEFICIENT, DELIQUENT, OWNER NFO ; 1/24/00 GW ASSESSMENT RPT; 5/4/00
 GW ASSESSMENT RPT; 8/3/00 GW ASSESSMENT RPT

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120307

AY222
NE
1/4-1/2
0.471 mi.
2486 ft.

WITCO/ALLIED KELITE DIVISION
1250 NORTH MAIN STREET
LOS ANGELES, CA 90012
Site 1 of 2 in cluster AY

ENVIROSTOR **S105520881**
SLIC **N/A**
VCP

Relative:
Higher

ENVIROSTOR:
 Facility ID: 19281211
 Status: No Further Action
 Status Date: 10/24/1995
 Site Code: Not reported
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 2.5
 NPL: NO
 Regulatory Agencies: DTSC
 Lead Agency: DTSC
 Program Manager: Javier Hinojosa
 Supervisor: Steve Lavinger
 Division Branch: Cleanup Chatsworth
 Assembly: 51

Actual:
293 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WITCO/ALLIED KELITE DIVISION (Continued)

S105520881

Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06289
Longitude: -118.2313
APN: 5409-010-032, 5409010032
Past Use: MANUFACTURING - CHEMICALS, METAL FINISHING
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead
1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Cadmium and
compounds
Confirmed COC: 30001-NO 30005-NO 30013-NO 30026-NO 30108-NO 30027-NO
Potential Description: OTH, SOIL, SV
Alias Name: ALLIED KELITE
Alias Type: Alternate Name
Alias Name: ALLIED KELITE DIVISION
Alias Type: Alternate Name
Alias Name: ALLIED KELITE DIVISION, WITCO CORP.
Alias Type: Alternate Name
Alias Name: WITCO CORPORATION
Alias Type: Alternate Name
Alias Name: 5409-010-032
Alias Type: APN
Alias Name: 5409010032
Alias Type: APN
Alias Name: 110002138703
Alias Type: EPA (FRS #)
Alias Name: SLT43235233
Alias Type: GeoTracker Global ID
Alias Name: 19281211
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/16/1995
Comments: DTSC entered into a Voluntary Cleanup Agreement with Witco Corporation to complete a Preliminary Endangerment Assessment (PEA) for the Witco Corporation site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/24/1995
Comments: DTSC completed its review of the PEA Report for the Witco Corporation, Allied Kelite Division Site. Based on the information provided, DTSC determined that the residual contamination observed in the Site's soil does not pose a threat to human health via the inhalation and ingestion routes of exposure. Accordingly, DTSC concurs with the "No Further Action" recommendation for the soil with respect to the aforementioned routes of exposure. DTSC has determined that the groundwater beneath the Site has been impacted by Site operations and possibly other regional sources. The groundwater beneath the Site is not a potable source of drinking water and does not pose an imminent and substantial endangerment. However, the groundwater should be investigated. DTSC reserves the right to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WITCO/ALLIED KELITE DIVISION (Continued)

S105520881

require additional work in the future should the Site's conditions differ from those described in the PEA

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC REG 4:

Region: 4
Facility Status: Not reported
SLIC: 0376
Substance: Not reported
Staff: Department of Toxic Substances Control

VCP:

Facility ID: 19281211
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.5
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Javier Hinojosa
Supervisor: Steve Lavinger
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 10/24/1995
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.06289 / -118.2313
APN: 5409-010-032, 5409010032
Past Use: MANUFACTURING - CHEMICALS, METAL FINISHING
Potential COC: 30001, 30005, 30013, 30026, 30027, 30108
Confirmed COC: 30001-NO,30005-NO,30013-NO,30026-NO,30108-NO,30027-NO
Potential Description: OTH, SOIL, SV
Alias Name: ALLIED KELITE
Alias Type: Alternate Name
Alias Name: ALLIED KELITE DIVISION
Alias Type: Alternate Name
Alias Name: ALLIED KELITE DIVISION, WITCO CORP.
Alias Type: Alternate Name
Alias Name: WITCO CORPORATION
Alias Type: Alternate Name
Alias Name: 5409-010-032

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WITCO/ALLIED KELITE DIVISION (Continued)

S105520881

Alias Type: APN
 Alias Name: 5409010032
 Alias Type: APN
 Alias Name: 110002138703
 Alias Type: EPA (FRS #)
 Alias Name: SLT43235233
 Alias Type: GeoTracker Global ID
 Alias Name: 19281211
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 05/16/1995
 Comments: DTSC entered into a Voluntary Cleanup Agreement with Witco Corporation to complete a Preliminary Endangerment Assessment (PEA) for the Witco Corporation site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 10/24/1995
 Comments: DTSC completed its review of the PEA Report for the Witco Corporation, Allied Kelite Division Site. Based on the information provided, DTSC determined that the residual contamination observed in the Site's soil does not pose a threat to human health via the inhalation and ingestion routes of exposure. Accordingly, DTSC concurs with the "No Further Action" recommendation for the soil with respect to the aforementioned routes of exposure. DTSC has determined that the groundwater beneath the Site has been impacted by Site operations and possibly other regional sources. The groundwater beneath the Site is not a potable source of drinking water and does not pose an imminent and substantial endangerment. However, the groundwater should be investigated. DTSC reserves the right to require additional work in the future should the Site's conditions differ from those described in the PEA

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

AZ223
 ENE
 1/4-1/2
 0.481 mi.
 2539 ft.

BAUCHET ST SITE
490 BAUCHET ST
LOS ANGELES, CA 90012
Site 1 of 3 in cluster AZ

ENVIROSTOR 1009314270
VCP N/A
DEED
FINDS
ECHO

Relative:
Higher
Actual:
292 ft.

ENVIROSTOR:
 Facility ID: 19490241
 Status: Active
 Status Date: 06/21/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAUCHET ST SITE (Continued)

1009314270

Site Code: 301002
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.54
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05975
Longitude: -118.2302
APN: 5409-019-009
Past Use: MANUFACTURED GAS PLANT
Potential COC: Arsenic Benzene Tetrachloroethylene (PCE TPH-diesel TPH-gas Trichloroethylene (TCE Polynuclear aromatic hydrocarbons (PAHs) Toluene Xylenes
Confirmed COC: 30472-NO 30550-NO 30022-NO 30024-NO 30025-NO 30027-NO 30001-NO 30003-NO 30593-NO

Potential Description: OTH, SOIL
Alias Name: ALISO E
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO E
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO E MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 5409-019-009
Alias Type: APN
Alias Name: 110033609398
Alias Type: EPA (FRS #)
Alias Name: 300626
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 301002
Alias Type: Project Code (Site Code)
Alias Name: 19490241
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/12/2007
Comments: DTSC approved the Removal Action Completion Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAUCHET ST SITE (Continued)

1009314270

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/07/2005
Comments: DTSC approved the Final RAW for Sector E 490 Bauchet Street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/01/2005
Comments: Remedial Investigation Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/30/2007
Comments: Field Work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/12/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/12/2014
Comments: Removal Action for soil certified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/09/2005
Comments: CEQA (Notice of Exemption) approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-015 signed by the RP.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAUCHET ST SITE (Continued)

1009314270

Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19490241
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.54
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301002
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 06/21/2010
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05975 / -118.2302
APN: 5409-019-009
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30003, 30022, 30024, 30025, 30027, 30472, 30550, 30593
Confirmed COC: 30472-NO,30550-NO,30022-NO,30024-NO,30025-NO,30027-NO,30001-NO,
30003-NO,30593-NO
Potential Description: OTH, SOIL
Alias Name: ALISO E
Alias Type: Alternate Name
Alias Name: ALISO MANUFACTURED GAS PLANT
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO E
Alias Type: Alternate Name
Alias Name: SO CAL GAS - ALISO E MGP
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: 5409-019-009
Alias Type: APN
Alias Name: 110033609398
Alias Type: EPA (FRS #)
Alias Name: 300626
Alias Type: Project Code (Site Code)
Alias Name: 300885
Alias Type: Project Code (Site Code)
Alias Name: 301002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAUCHET ST SITE (Continued)

1009314270

Alias Type: Project Code (Site Code)
Alias Name: 19490241
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/12/2007
Comments: DTSC approved the Removal Action Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/07/2005
Comments: DTSC approved the Final RAW for Sector E 490 Bauchet Street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/01/2005
Comments: Remedial Investigation Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/30/2007
Comments: Field Work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/12/2015
Comments: done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 01/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/12/2014
Comments: Removal Action for soil certified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/09/2005
Comments: CEQA (Notice of Exemption) approved.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAUCHET ST SITE (Continued)

1009314270

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the existing Consent Order, No. 96/97-015 signed by the RP.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 19490241
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 01/15/2014

FINDS:

Registry ID: 110024433184

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1009314270
Registry ID: 110024433184
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110024433184

AZ224
ENE
1/4-1/2
0.481 mi.
2539 ft.

**SO CAL GAS/ALISO E MGP
490 BAUCHET STREET AND VIGNES STREET
LOS ANGELES, CA 90012**

**EDR MGP 1008407707
N/A**

Site 2 of 3 in cluster AZ

**Relative:
Higher**

Manufactured Gas Plants:

Sector E of the Aliso Street Towne Gas facility covers approximately nine acres and has been used for numerous industrial purposes including refined oil storage, 1,3-Butadiene storage, manufactured gas plant (MGP) feedstock storage, mannequin manufacturing, and hard chrome plating. The sector is currently used

**Actual:
292 ft.**

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CAL GAS/ALISO E MGP (Continued)

1008407707

for parking, a refueling station, and offices. Part of the former Aliso Street
 manufactured gas plant (MGP) and butadiene

**AZ225
 ENE
 1/4-1/2
 0.481 mi.
 2539 ft.**

**BAUCHET PARTNERS
 490 BAUCHET STREET
 LOS ANGELES, CA 90012**

SEMS-ARCHIVE

**1003877942
 CAD983566563**

Site 3 of 3 in cluster AZ

**Relative:
 Higher**

SEMS-ARCHIVE:
 Site ID: 900012
 EPA ID: CAD983566563

**Actual:
 292 ft.**

Federal Facility: N
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0900012
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13286690.00000
 Person ID: 13003854.00000

Contact Sequence ID: 13292285.00000
 Person ID: 13003858.00000

Contact Sequence ID: 13298143.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
 Date Started: / /
 Date Completed: 02/07/92
 Priority Level: Higher priority for further assessment

Action: DISCOVERY
 Date Started: / /
 Date Completed: 06/07/90
 Priority Level: Not reported

Action: ARCHIVE SITE
 Date Started: / /
 Date Completed: 05/28/92
 Priority Level: Not reported

Action: SITE INSPECTION
 Date Started: / /
 Date Completed: 05/28/92
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

BA226 **BLUELINE PARCEL PA-018**
NNE **924 SPRING**
1/4-1/2 **LOS ANGELES, CA 90012**
0.490 mi.
2585 ft. **Site 1 of 2 in cluster BA**

SLIC **S104404978**
N/A

Relative: SLIC REG 4:
Higher Region: 4
Facility Status: No further action required
Actual: SLIC: 0904B
297 ft. Substance: TPH
Staff: DY

BA227 **BLUE LINE PARCEL PA-018**
NNE **924 N SPRING ST**
1/4-1/2 **LOS ANGELES, CA**
0.490 mi.
2585 ft. **Site 2 of 2 in cluster BA**

SLIC **S106087297**
N/A

Relative: SLIC:
Higher Region: STATE
Facility Status: **Completed - Case Closed**
Actual: Status Date: 02/20/2003
297 ft. Global Id: SL204BK2355
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.078265
Longitude: -118.265419
Case Type: Cleanup Program Site
Case Worker: DY
Local Agency: Not reported
RB Case Number: 0904B
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Not reported
Site History: Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The Site was previously owned by Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority (Authority). The Site is about 6 acres and is surrounded by industrial and commercial use land. Historically the Site has been used for a wood and coal yard, an oil warehouse, dwellings, and for small businesses. Since 1905 it was used as a rail freight yard, but it has been vacant since about 1970. Buildings at the Site were demolished in the late 1980s. A gasoline tank was removed in April 1987 with no evidence of leakage. Reports from 1989 indicate that the Site was used for the storage of tanks and shipping containers. Several water-bearing zones underlie the Site, but there are no production wells within one mile of the property. The shallow semi-perched zone is about 30 ft below ground surface, and the groundwater flow direction is in a south-southwest direction. Groundwater in the southwestern portion of the Site has been impacted by heavy-end hydrocarbons (diesel-range and total recoverable petroleum hydrocarbons). Based on regional groundwater flow and documented historic service station operations at neighboring off-site properties, the groundwater contamination appears to be from off-site sources. The Site is planned for development of a four-story building, with commercial, retail business on the lower level, and housing on the other three floors. There are no planned underground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLUE LINE PARCEL PA-018 (Continued)

S106087297

structures, green areas, or unpaved areas at the Site.

[Click here to access the California GeoTracker records for this facility:](#)

228
West
1/4-1/2
0.493 mi.
2603 ft.

LA CITY DEPT WATER & POWER
111 HOPE ST N
LOS ANGELES, CA 90012

LUST S106517261
N/A

Relative:
Higher

LUST:

Actual:
403 ft.

Region: STATE
Global Id: T0603700506
Latitude: 34.0564428
Longitude: -118.2498743
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/29/2004
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120070
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700506
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700506
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603700506
Status: Open - Case Begin Date
Status Date: 01/17/1984

Global Id: T0603700506
Status: Open - Site Assessment
Status Date: 05/27/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY DEPT WATER & POWER (Continued)

S106517261

Global Id: T0603700506
Status: Open - Site Assessment
Status Date: 09/27/1996

Global Id: T0603700506
Status: Open - Verification Monitoring
Status Date: 12/13/2002

Global Id: T0603700506
Status: Completed - Case Closed
Status Date: 10/29/2004

Regulatory Activities:

Global Id: T0603700506
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: Other
Date: 06/29/1984
Action: Leak Reported

Global Id: T0603700506
Action Type: ENFORCEMENT
Date: 08/12/2002
Action: Staff Letter

Global Id: T0603700506
Action Type: ENFORCEMENT
Date: 04/16/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0603700506
Action Type: ENFORCEMENT
Date: 10/27/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603700506
Action Type: ENFORCEMENT
Date: 10/29/2004
Action: Closure/No Further Action Letter

Global Id: T0603700506
Action Type: REMEDIATION
Date: 05/08/1984
Action: Free Product Removal

Global Id: T0603700506
Action Type: REMEDIATION
Date: 10/01/1986
Action: Excavation

Global Id: T0603700506
Action Type: RESPONSE
Date: 08/15/2002
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY DEPT WATER & POWER (Continued)

S106517261

Global Id: T0603700506
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: Other
Date: 01/17/1984
Action: Leak Discovery

Global Id: T0603700506
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700506
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120070
Status: Post remedial action monitoring
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CITY DEPT WATER & POWER (Continued)

S106517261

Global ID: T0603700506
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: TA-GEN
Date Leak Discovered: 1/17/1984
Date Leak First Reported: 6/29/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/14/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: KURODA, RANDALL
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 2710.8267851142112053319989676
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 5/27/1992
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/27/1996
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 12/13/2002
Enforcement Action Date: Not reported
Historical Max MTBE Date: 2/14/2002
Hist Max MTBE Conc in Groundwater: 17.3
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: =
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: J. ALAN WALTI
RP Address: 111 N. HOPE ST, RM #1116
Program: LUST
Lat/Long: 34.0564428 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: 11,000 GAL OF FP RECOVERED 1984-1991; 4/14/00 1ST QTR GW MON RPT 2000; 7/13/00 2ND QTR GW MON RPT 2000; 10/2000 3RD QTR GW MON RPT 2000; 1/18/01 4TH QTR GW MON RPT 2000; 4/13/01 1ST QTR GW MON RPT 2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

229
SSW
1/4-1/2
0.493 mi.
2605 ft.

RELATED/LL BLOCK 8 LLC
235 SAN PEDRO
LOS ANGELES, CA 90012

LUST S108997075
N/A

Relative:
Lower

LUST:

Actual:
269 ft.

Region: STATE
Global Id: T0603771623
Latitude: 34.048703
Longitude: -118.241988
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/04/2008
Lead Agency: LOS ANGELES, CITY OF
Case Worker: PK
Local Agency: LOS ANGELES, CITY OF
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603771623
Contact Type: Local Agency Caseworker
Contact Name: PATRICK KILLIAN
Organization Name: LOS ANGELES, CITY OF
Address: 221 N FIGUEROA ST STE 1500
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826527

Global Id: T0603771623
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603771623
Status: Open - Case Begin Date
Status Date: 04/27/2007

Global Id: T0603771623
Status: Open - Site Assessment
Status Date: 01/31/2008

Global Id: T0603771623
Status: Completed - Case Closed
Status Date: 02/04/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELATED/LL BLOCK 8 LLC (Continued)

S108997075

Regulatory Activities:

Global Id: T0603771623
Action Type: Other
Date: 04/27/2007
Action: Leak Discovery

Global Id: T0603771623
Action Type: Other
Date: 04/27/2007
Action: Leak Reported

230
WSW
1/4-1/2
0.495 mi.
2613 ft.

TIMES MIRROR
240 HILL ST S
LOS ANGELES, CA 90012

LUST S101297033
HIST CORTESE N/A

Relative:
Higher

LUST:

Region: STATE
Global Id: T0603700509
Latitude: 34.051813
Longitude: -118.248431
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/19/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AS
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120107
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Actual:
318 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700509
Contact Type: Regional Board Caseworker
Contact Name: ADNAN SIDDIQUI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: asiddiqui@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700509
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIMES MIRROR (Continued)

S101297033

Status History:

Global Id: T0603700509
Status: Open - Case Begin Date
Status Date: 12/10/1991

Global Id: T0603700509
Status: Open - Site Assessment
Status Date: 12/10/1991

Global Id: T0603700509
Status: Open - Site Assessment
Status Date: 09/25/1996

Global Id: T0603700509
Status: Completed - Case Closed
Status Date: 08/19/1997

Regulatory Activities:

Global Id: T0603700509
Action Type: Other
Date: 12/10/1991
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120107
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603700509
W Global ID: W0605100582
Staff: AS
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/10/1991
Date Leak Record Entered: 12/11/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/29/1997
Date the Case was Closed: 8/19/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported
Approx. Dist To Production Well (ft): 1952.6467401634376073083642517

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TIMES MIRROR (Continued)

S101297033

Source of Cleanup Funding: UNK
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 12/10/1991
 Pollution Characterization Began: 9/25/1996
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: 1/1/1965
 Hist Max MTBE Conc in Groundwater: 10
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Yes
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: TIME MIRROR
 RP Address: TIMES MIRROR SQUARE, LOS ANGELES CA 90053
 Program: LUST
 Lat/Long: 34.052298 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: 2600582-001GEN
 Summary: 03/03/97 - GW MONITORING OF WELLS 02/18/97,
 F.P. SHEEN IN MW-1 FREE PRODUCT
 REMEDIATED 9/24/97 - WELL
 ABANDONMENT

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120107

AY231
NE
1/4-1/2
0.498 mi.
2627 ft.

WILLIAM MEAD HOMES
1300 CARDINAL STREET
LOS ANGELES, CA 90012
Site 2 of 2 in cluster AY

RESPONSE **S101482998**
ENVIROSTOR **N/A**
HIST Cal-Sites
DEED
Cortese

Relative:
Higher

AWP:

AWP Facility ID: 19290312
 Region Code: 3
 Region: GLENDALE
 SMBR Branch Code: SA
 SMBR Branch Unit: SO CAL - GLENDALE
 Site Name.: WILLIAM MEAD HOMES SITE
 Current Status Date: 10052001
 Current Status: ANNUAL WORKPLAN - ACTIVE SITE
 Lead Agency Code: DTSC
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 Facility Type: responsible party
 Awp Site Type: RESPONSIBLE PARTY
 NPL: Not Listed

Actual:
293 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Tier Of AWP Site: Not reported
Source Of Funding: Not reported
Responsible Staff Member: RKINSELL
Supervisor Responsible: Not reported
SIC Code: 29
Facility SIC: MANU - PETROLEUM & COAL PRODUCTS
RWQCB Code: Not reported
RWQCB Associated With Site: Not reported
Site Access Controlled: Not reported
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Of Contamination Sources: 0
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 45
State Senate District: 22

RESPONSE:

Facility ID: 19290312
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 11.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Narine Aghakiant
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301015
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: Active
Status Date: 10/05/2001
Restricted Use: YES
Funding: Responsible Party
Latitude: 34.06318
Longitude: -118.2298
APN: 5226025039
Past Use: OIL FIELD
Potential COC : * OIL/WATER SEPARATION SLUDGE * AQUEOUS SOLUTION WITH METALS *
UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: AMALGAMATED OIL COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN REFINING COMPANY
Alias Type: Alternate Name
Alias Name: WILLIAM MEAD HOMES SITE
Alias Type: Alternate Name
Alias Name: 5226025039
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Alias Name: 110033620188
Alias Type: EPA (FRS #)
Alias Name: 300545
Alias Type: Project Code (Site Code)
Alias Name: 300855
Alias Type: Project Code (Site Code)
Alias Name: 301015
Alias Type: Project Code (Site Code)
Alias Name: 19290312
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 12/03/2013
Comments: Completed. Recorded 12/3/2013, received from RP via mail 1/15/2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/02/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/05/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/28/2003
Comments: DTSC approved the RAP for areas north of Cardinal street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/01/2005
Comments: Fieldwork began in August 2004 and was completed in June, 2005. A Deed Restriction will be required for residual lead concentrations under sidewalks, streets, and buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/30/2003
Comments: DTSC approved the Remedial Design and Health and Safety Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/05/2002
Comments: RI/FS approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Completed Document Type: Removal Action Completion Report
Completed Date: 03/11/2002
Comments: DTSC reviewed and approved the "Implementation Report" for the Removal Action that took place South of Cardinal Street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/18/2000
Comments: CEQA: DTSC approved the Negative Declaration for the William Mead Homes site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 04/22/1994
Comments: A PEA consisting of field sampling and analysis identified the presence of elevated levels of polycyclic aromatic hydrocarbons (PAHs) and heavy metals in the soil in various areas of the site. Further action is warranted. The PEA is considered complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/02/1995
Comments: Site visit conducted. Site currently a low income housing project. Area identified for investigation is a playground in the center of housing project. No obvious releases or threat observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/08/2006
Comments: Certification Pending Deed Restriction

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/01/2000
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/01/2001
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 03/10/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/15/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 06/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/03/2013
Comments: Completed. RP has recorded the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/09/2003
Comments: DTSC approved the CEQA Initial Study.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/04/2001
Comments: DTSC entered into a Consent Order with the Housing Authority of the City of Los Angeles requiring them to complete a Remedial Investigation/Feasibility Study and to implement appropriate removal actions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/18/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/13/1996
Comments: DTSC and the Housing Authority of the City of Los Angeles executed a second Voluntary Cleanup Agreement (VCA). This VCA provides for Supplemental Investigation, Health Risk Assessment and Removal Action. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/13/1995
Comments: DTSC entered into a Voluntary Cleanup Program Agreement with the City of Los Angeles to conduct a Preliminary Endangerment Assessment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 11/03/2016
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19290312
Status: Active
Status Date: 10/05/2001
Site Code: 301015
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 11.1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Narine Aghakiant
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06318
Longitude: -118.2298
APN: 5226025039
Past Use: OIL FIELD
Potential COC: * OIL/WATER SEPARATION SLUDGE * AQUEOUS SOLUTION WITH METALS *
UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: AMALGAMATED OIL COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN REFINING COMPANY
Alias Type: Alternate Name
Alias Name: WILLIAM MEAD HOMES SITE
Alias Type: Alternate Name
Alias Name: 5226025039
Alias Type: APN
Alias Name: 110033620188
Alias Type: EPA (FRS #)
Alias Name: 300545
Alias Type: Project Code (Site Code)
Alias Name: 300855
Alias Type: Project Code (Site Code)
Alias Name: 301015
Alias Type: Project Code (Site Code)
Alias Name: 19290312
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 12/03/2013
Comments: Completed. Recorded 12/3/2013, received from RP via mail 1/15/2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/02/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/05/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/28/2003
Comments: DTSC approved the RAP for areas north of Cardinal street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/01/2005
Comments: Fieldwork began in August 2004 and was completed in June, 2005. A Deed Restriction will be required for residual lead concentrations under sidewalks, streets, and buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/30/2003
Comments: DTSC approved the Remedial Design and Health and Safety Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/05/2002
Comments: RI/FS approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/11/2002
Comments: DTSC reviewed and approved the "Implementation Report" for the Removal Action that took place South of Cardinal Street.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/18/2000
Comments: CEQA: DTSC approved the Negative Declaration for the William Mead

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Homes site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 04/22/1994
Comments: A PEA consisting of field sampling and analysis identified the presence of elevated levels of polycyclic aromatic hydrocarbons (PAHs) and heavy metals in the soil in various areas of the site. Further action is warranted. The PEA is considered complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/02/1995
Comments: Site visit conducted. Site currently a low income housing project. Area identified for investigation is a playground in the center of housing project. No obvious releases or threat observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/08/2006
Comments: Certification Pending Deed Restriction

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/01/2000
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/01/2001
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 03/10/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/15/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Completed Document Type: 5 Year Review Workplan

Completed Date: 06/30/2013

Comments: Completed

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Land Use Restriction

Completed Date: 12/03/2013

Comments: Completed. RP has recorded the document.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 01/09/2003

Comments: DTSC approved the CEQA Initial Study.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Consent Order

Completed Date: 10/04/2001

Comments: DTSC entered into a Consent Order with the Housing Authority of the City of Los Angeles requiring them to complete a Remedial Investigation/Feasibility Study and to implement appropriate removal actions.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 04/18/2000

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 06/13/1996

Comments: DTSC and the Housing Authority of the City of Los Angeles executed a second Voluntary Cleanup Agreement (VCA). This VCA provides for Supplemental Investigation, Health Risk Assessment and Removal Action. Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Voluntary Cleanup Agreement

Completed Date: 04/13/1995

Comments: DTSC entered into a Voluntary Cleanup Program Agreement with the City of Los Angeles to conduct a Preliminary Endangerment Assessment.

Future Area Name: PROJECT WIDE

Future Sub Area Name: Not reported

Future Document Type: 5 Year Review Reports

Future Due Date: 2021

Schedule Area Name: PROJECT WIDE

Schedule Sub Area Name: Not reported

Schedule Document Type: Operations and Maintenance Report

Schedule Due Date: 11/03/2016

Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Calsite:
Region: GLENDALE
Facility ID: 19290312
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: WILLIAM MEAD HOMES SITE
State Senate District: 10052001
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 29
SIC Name: MANU - PETROLEUM & COAL PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: RKINSELL
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 45
State Senate District Code: 22
Facility ID: 19290312
Activity: SS
Activity Name: SITE SCREENING
AWP Code: S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03021995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

AWP Code: VCA S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04131995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: VCA S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04261996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: VCA2S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06131996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19290312
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	S
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04182000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19290312
Activity:	CHP65
Activity Name:	AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code:	S
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01051999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: ND S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04182000
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03112002
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CONSN
Proposed Budget: 0
AWP Completion Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Revised Due Date:	Not reported
Comments Date:	10042001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19290312
Activity:	RIFS
Activity Name:	REMEDIATION INVESTIGATION / FEASIBILITY STUDY
AWP Code:	N
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06052002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19290312
Activity:	DES
Activity Name:	DESIGN
AWP Code:	N
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04302003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: N
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: COST
Activity Name: COST RECOVERY
AWP Code: S
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10052001
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Facility ID: 19290312
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: N
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04282003
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: N
Proposed Budget: 0
AWP Completion Date: 12302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19290312
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: N
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01092003
Est Person-Yrs to complete: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 1300 CARDINAL STREET
Alternate City,St,Zip: LOS ANGELES, CA 90012
Background Info: This site south of Cardinal Street previously operated as a refinery from 1900 - 1924 by the Southern Refining Company and Amalgamated Oil Company.
Not reported
Historical documents indicated refining equipment and above ground storage tanks (AGST). Dark oily materials were discovered during construction activities in the playground area. Areas were covered to prevent contact with potential contaminants. DTSC entered into a Voluntary Cleanup Program Agreement with the RP for oversight of a Preliminary Endangerment Assessment.
Not reported
AREA NORTH OF CARDINAL STREET
This Site is divided into two areas, the area South of Cardinal Street is designated by the letter "S" following the commitment description, and the DTSC LEAD ACTIVITIES area North of Cardinal Street is designated by the letter "N" following each description.
Comments Date: 01052001
Comments: DTSC held an open house on Saturday 01/05/2001 from 11:00 a.m.
Comments Date: 01052001
Comments: to 2:00 p.m.at William Mead Homes Community Center. The purpose
Comments Date: 01052001
Comments: of the meeting was to present to the community the results of
Comments Date: 01052001
Comments: DTSCs Investigation and to address any comment/concern.
Comments Date: 01092003
Comments: DTSC approved the CEQA Initial Study.
Comments Date: 01152003
Comments: Draft RAP & Draft CEQA Negative Declaration released for 30 day
Comments Date: 01152003
Comments: public comment period.
Comments Date: 01262002
Comments: Removal Action at School completed.
Comments Date: 01292003
Comments: Public Meeting held at William Mead to present RAP and receive
Comments Date: 01292003
Comments: comments.
Comments Date: 02011998
Comments: RAW submitted 01/09/98 for DTSC review.
Comments Date: 02221999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments: CEQA package was submitted to Planning & Environmental Analysis
Comments Date: 02221999
Comments: Section for review and approval.
Comments Date: 02282001
Comments: DTSCs contractor completed the Site Investigation Report for
Comments Date: 02282001
Comments: William Mead Homes, North of Cardinal Street Area. The SI
Comments Date: 02282001
Comments: Reports summarized the results of the investigation that was
Comments Date: 02282001
Comments: conducted by DTSCs contractor. A total of 568 samples were
Comments Date: 02282001
Comments: collected for 178 borings and analyzed for PAHs, semi-VOCs,
Comments Date: 02282001
Comments: metals and lead.
Comments Date: 03021995
Comments: Site visit conducted. Site currently a low income housing
Comments Date: 03021995
Comments: project. Area identified for investigation is a playground
Comments Date: 03021995
Comments: in the center of housing project. No obvious releases
Comments Date: 03021995
Comments: or threat observed.
Comments Date: 03112002
Comments: DTSC reviewed and approved the "Implementation Report" for the
Comments Date: 03112002
Comments: Removal Action that took place South of Cardinal Street.
Comments Date: 03112003
Comments: DTSC approved the CEQA Negative Declaration.
Comments Date: 03262004
Comments: Housing Authority of the City of Los Angeles chose a
Comments Date: 03262004
Comments: subcontractor (Earthtech) to excavate contaminated soils.
Comments Date: 03311998
Comments: Comments submitted, and revised RAW for DTSC review. CEQA
Comments Date: 03311998
Comments: package under development.
Comments Date: 04051997
Comments: Several preliminary site control actions were taken. A fence
Comments Date: 04051997
Comments: was installed around the playground to prevent community from
Comments Date: 04051997
Comments: potential exposure. Signs were also posted around the fence
Comments Date: 04051997
Comments: to prevent trespassing. Edible and medicinal plants were
Comments Date: 04051997
Comments: removed throughout the site to prevent exposure to and in-
Comments Date: 04051997
Comments: gestion of contaminants. Planter buckets/pots were distributed
Comments Date: 04051997
Comments: to the community to replace removed plants. Approximately
Comments Date: 04051997
Comments: 7000 sq. ft. of soil were reseeded with Bermuda grass. In-
Comments Date: 04051997
Comments: creased irrigation of site to maintain grass.
Comments Date: 04131995
Comments: DTSC entered into a Voluntary Cleanup Program Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments Date: 04131995
Comments: with the City of Los Angeles to conduct a Preliminary
Comments Date: 04131995
Comments: Endangerment Assessment.
Comments Date: 04161996
Comments: PEA soil samples collected in Jan 1996. PAHs and heavy
Comments Date: 04161996
Comments: metals identified at depths of 0-16 ft throughout the site.
Comments Date: 04161996
Comments: High PAHs at 0-2 ft have prompted measures to prevent
Comments Date: 04161996
Comments: exposure to dermal and ingestion routes of exposure. Re-sod
Comments Date: 04161996
Comments: playing area & dirt cap on baseball diamond to be done. An advi-
Comments Date: 04161996
Comments: sory letter with preliminary measures were sent 4/19/96.
Comments Date: 04161996
Comments: On April 27, an informational public meeting was held to
Comments Date: 04161996
Comments: inform the community.
Comments Date: 04161996
Comments: Not reported
Comments Date: 04161996
Comments: Not reported
Comments Date: 04182000
Comments: CEQA:
Comments Date: 04182000
Comments: Not reported
Comments Date: 04182000
Comments: DTSC approved the Negative Declaration for the William Mead
Comments Date: 04182000
Comments: Homes site.
Comments Date: 04182000
Comments: Not reported
Comments Date: 04201999
Comments: Planning & Environmental Analysis Section approved the draft
Comments Date: 04201999
Comments: Initial Study and Negative Declarations for the RAW.
Comments Date: 04261996
Comments: A PEA consisting of field sampling and analysis identified
Comments Date: 04261996
Comments: the presence of elevated levels of polycyclic aromatic
Comments Date: 04261996
Comments: hydrocarbons (PAHs) and heavy metals in the soil in various
Comments Date: 04261996
Comments: areas of the site. Further action is warranted. The PEA is
Comments Date: 04261996
Comments: considered complete.
Comments Date: 04282003
Comments: DTSC approved the RAP for areas north of Cardinal street.
Comments Date: 04302003
Comments: DTSC approved the Remedial Design and Health and Safety Plan.
Comments Date: 05012000
Comments: DTSC approved the RAW for the William Mead Homes site.
Comments Date: 05191997
Comments: Report for supplemental investigation, HRA, and site control
Comments Date: 05191997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments: actions submitted for DTSC review.
Comments Date: 06052002
Comments: RI/FS approved by DTSC.
Comments Date: 06131996
Comments: DTSC and the Housing Authority of the City of Los Angeles
Comments Date: 06131996
Comments: executed a second Voluntary Cleanup Agreement (VCA). This
Comments Date: 06131996
Comments: VCA provides for Supplemental Investigation, Health Risk
Comments Date: 06131996
Comments: Assessment and Removal Action.
Comments Date: 06131996
Comments: Not reported
Comments Date: 07031998
Comments: DTSC reviewed and tentatively approved the Removal Action
Comments Date: 07031998
Comments: Workplan. Final approval is pending the completion of
Comments Date: 07031998
Comments: support documents.
Comments Date: 07191998
Comments: DTSC issued a fact sheet to inform the public with the progress
Comments Date: 07191998
Comments: and the planned activities at the site.
Comments Date: 07191998
Comments: Not reported
Comments Date: 07202000
Comments: NORTH OF CARDINAL STREET SITE
Comments Date: 07202000
Comments: DTSC approved and issued a Task Order for Tetra Tech, Inc. to
Comments Date: 07202000
Comments: provide personnel services, material and equipment necessary
Comments Date: 07202000
Comments: to conduct a Site Investigation of William Mead Homes, North
Comments Date: 07202000
Comments: of Cardinal Street Site.
Comments Date: 07241997
Comments: Ongoing discussions to revise HRA's progress. Public
Comments Date: 07241997
Comments: participation activities being planned, for the presentation
Comments Date: 07241997
Comments: of HRA.
Comments Date: 07241997
Comments: Not reported
Comments Date: 08011996
Comments: A draft workplan for the supplemental investigation was
Comments Date: 08011996
Comments: submitted for DTSC review.
Comments Date: 08171999
Comments: The RP updated and revised Draft RAW and support documents
Comments Date: 08171999
Comments: to allow for new Treatment/Disposal Facility.
Comments Date: 08171999
Comments: Not reported
Comments Date: 08232004
Comments: Excavation of contaminated soils begins, expected to be
Comments Date: 08232004
Comments: completed by June 2005.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments Date: 08302001
Comments: Completion Report (RAW).
Comments Date: 09251998
Comments: Risk Management plan, Health and Safety Plan and Draft
Comments Date: 09251998
Comments: Engineering Design submitted for DTSC review.
Comments Date: 09251998
Comments: Not reported
Comments Date: 10042001
Comments: DTSC entered into a Consent Order with the Housing Authority
Comments Date: 10042001
Comments: of the City of Los Angeles requiring them to complete a Remedial
Comments Date: 10042001
Comments: Investigation/Feasibility Study and to implement appropriate
Comments Date: 10042001
Comments: removal actions.
Comments Date: 10052001
Comments: DTSC recovered a payment of \$248,419.22. This amount covers
Comments Date: 10052001
Comments: DTSC oversight cost from January 1999 to March 2001.
Comments Date: 10141999
Comments: The draft RAW and proposed Negative Declaration were public
Comments Date: 10141999
Comments: noticed for 30 days, public comment period starting October 14,
Comments Date: 10141999
Comments: 1999 and ending November 15, 1999.
Comments Date: 10181997
Comments: Public meeting held to present results of HRA. CDM currently
Comments Date: 10181997
Comments: preparing an addendum to HRA lead spread and Engineering
Comments Date: 10181997
Comments: Evaluation/RAW.
Comments Date: 10251996
Comments: Supplemental Investigation Workplan is approved. Work is to
Comments Date: 10251996
Comments: include additional soil sampling, limited soil gas
Comments Date: 10251996
Comments: investigation, baseline risk assessment, engineering
Comments Date: 10251996
Comments: evaluation (remedial alternatives).
Comments Date: 10251996
Comments: Not reported
Comments Date: 10301999
Comments: A Public Meeting was held to accept comments on the draft RAW
Comments Date: 10301999
Comments: and draft Negative Declaration. The meeting was held at
Comments Date: 10301999
Comments: William Mead Homes Community Center at 1:00 P.M.
Comments Date: 10301999
Comments: Not reported
Comments Date: 10302000
Comments: In accordance with Field Sampling Plan and QC/QA and Health
Comments Date: 10302000
Comments: and Safety Plan, DTSCs contractor sampled 178 boring locations
Comments Date: 10302000
Comments: to a depth of 11 feet below ground surface to determine if
Comments Date: 10302000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Comments: contaminants found south of Cardinal Street were present at the
Comments Date: 10302000
Comments: northern part of William Mead Homes.
Comments Date: 10311997
Comments: HRA approved.
Comments Date: 10311997
Comments: Not reported
Comments Date: 11192001
Comments: DTSCs contractor completed its Final Site Investigation Report.
Comments Date: 11192001
Comments: The Final SI Report summarized the phase I investigation and
Comments Date: 11192001
Comments: the phase II investigation that were completed in 9/01 and 10/01.
Comments Date: 11192001
Comments: The Report also included the DTSC conclusion and recommendations.
Comments Date: 12011997
Comments: Leadsread addendum to HRA reviewed and approved. Special
Comments Date: 12011997
Comments: cantonese/vietnamese public participation outreach conducted.
Comments Date: 12011997
Comments: Engineerig Evaluation/Cost Analysis (EE/CA)/RAW currently being
Comments Date: 12011997
Comments: prepared, pending Hazardous Waste characterization data
Comments Date: 12011997
Comments: for disposal cost estimates.
Comments Date: 12011997
Comments: Not reported
Comments Date: 12231996
Comments: Supplemental Investigation field work completed.
Comments Date: 12231996
Comments: Not reported
Comments Date: 12262001
Comments: Elevated levels of lead were discovered beneath the sand box
Comments Date: 12262001
Comments: play area at the Head Start State Preschool on Leroy Street,
Comments Date: 12262001
Comments: between Magdalena Street and North Main Street. Remedial
Comments Date: 12262001
Comments: measures taken consisted of capping the sand box with
Comments Date: 12262001
Comments: concrete and installing a new play surface and new play
Comments Date: 12262001
Comments: equipment.
ID Name: CALSTARS CODE
ID Value: 300545
ID Name: CALSTARS CODE
ID Value: 300434
Alternate Name: WILLIAM MEAD HOMES
Alternate Name: WILLIAM MEAD HOMES SITE
Alternate Name: SOUTHERN REFINING COMPANY
Alternate Name: AMALGAMATED OIL COMPANY
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:

Envirostor ID: 19290312

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WILLIAM MEAD HOMES (Continued)

S101482998

Area: PROJECT WIDE
 Sub Area: Not reported
 Site Type: STATE RESPONSE
 Status: ACTIVE
 Agency: Not reported
 Covenant Uploaded: Not reported
 Deed Date(s): 12/03/2013

CORTESE:

Region: CORTESE
 Envirostor Id: 19290312
 Site/Facility Type: STATE RESPONSE
 Cleanup Status: ACTIVE - LAND USE RESTRICTIONS
 Status Date: 10/05/2001
 Site Code: 300545, 300855, 301015
 Latitude: 34.06318
 Longitude: -118.22989
 Owner: Not reported
 Enf Type: Not reported
 Swat R: Not reported
 Flag: envirostor
 Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported

232
 ESE
 1/2-1
 0.520 mi.
 2745 ft.

**SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY TRACK EXTENSION
 KELLER YARD IN VICINITY OF CESAR CHAVEZ
 LOS ANGELES, CA 90012**

**ENVIROSTOR S109821388
 VCP N/A**

**Relative:
 Lower**

ENVIROSTOR:

Facility ID: 60001137
 Status: No Further Action
 Status Date: 01/21/2013
 Site Code: 300568
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 2.7
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Chand Sultana
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.05472
 Longitude: -118.2278

**Actual:
 270 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY TRACK EXTENSION (Continued)

S109821388

APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas)
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas)
Potential Description: SOIL
Alias Name: 19400010
Alias Type: Former Project ID
Alias Name: 300568
Alias Type: Project Code (Site Code)
Alias Name: 60001137
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/30/2009
Comments: Limited Soil Investigation completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/15/2010
Comments: NOE Finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/04/2010
Comments: RI approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Workplan
Completed Date: 10/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY TRACK EXTENSION (Continued)

S109821388

Completed Date: 05/19/2011
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001137
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300568
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 01/21/2013
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.05472 / -118.2278
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30019, 30024, 30025
Confirmed COC: 30019,30024,30025
Potential Description: SOIL
Alias Name: 19400010
Alias Type: Former Project ID
Alias Name: 300568
Alias Type: Project Code (Site Code)
Alias Name: 60001137
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY TRACK EXTENSION (Continued)

S109821388

Completed Date: 08/30/2009
Comments: Limited Soil Investigation completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/15/2010
Comments: NOE Finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/04/2010
Comments: RI approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Workplan
Completed Date: 10/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/19/2011
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

233
ESE
1/2-1
0.549 mi.
2898 ft.

**SANTA FE/MACY STREET
MACY STREET/ALISO ST/KELLER ST
LOS ANGELES, CA 90012**

**ENVIROSTOR S102564449
VCP N/A
DEED**

**Relative:
Lower**

ENVIROSTOR:

**Actual:
267 ft.**

Facility ID: 19400010
Status: Certified O&M - Land Use Restrictions Only
Status Date: 08/11/2009
Site Code: 300568
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 2.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05480
Longitude: -118.2281
APN: 5409-021-902, 5409021902
Past Use: MANUFACTURED GAS PLANT
Potential COC: Benzene TPH-diesel TPH-gas Polynuclear aromatic hydrocarbons (PAHs)
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: MACY STREET SITE
Alias Type: Alternate Name
Alias Name: 5409-021-902
Alias Type: APN
Alias Name: 5409021902
Alias Type: APN
Alias Name: 110033609986
Alias Type: EPA (FRS #)
Alias Name: 300568
Alias Type: Project Code (Site Code)
Alias Name: 19400010
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/08/2007
Comments: Site is in compliance with the LUC restrictions.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/30/2006
Comments: LAND USE COVENANT (LUC) DOCUMENT FOR THE FORMER MACY STREET SITE WAS RECORDED WITH LOS ANGELES COUNTY RECORD OFFICE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 11/25/2012
Comments: Annual Inspection Report reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/02/2016
Comments: Annual report. No letter issued. The site in compliance with LUC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/12/2009
Comments: Annual Inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/21/2013
Comments: Annual Inspection report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 10/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/17/1996
Comments: VCP agreement signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 03/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

Completed Date: 06/17/2008
Comments: DTSC approved the Site Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2004
Comments: Contaminated soil was excavated in accordance with the approved RAW. As contamination remains in deeper soils, DTSC requires a deed restriction. Also, groundwater monitoring should continue on schedule. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/04/2004
Comments: Public Comment Period was from December 16, 2002 to January 17, 2003. No response from public, Removal Action Work Plan was finalized on February 4, 2003.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/29/2001
Comments: RI report for Macy Street Site accepted on 06/29/01 closing the RI phase. DTSC expects RAW by 8/31. Originally an RI/FS was planned for the Site. However, since no feasibility study was needed an RI (PEAe commitment) was done instead. DTSC has approved the RI Report. Removal Action Plan due on 8/15/01.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/21/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/20/2010
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 06/24/2017
Schedule Revised Date: Not reported

VCP:

Facility ID: 19400010
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

Acres: 2.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 300568
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 08/11/2009
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.05480 / -118.2281
APN: 5409-021-902, 5409021902
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30003, 30024, 30025, 30472
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: MACY STREET SITE
Alias Type: Alternate Name
Alias Name: 5409-021-902
Alias Type: APN
Alias Name: 5409021902
Alias Type: APN
Alias Name: 110033609986
Alias Type: EPA (FRS #)
Alias Name: 300568
Alias Type: Project Code (Site Code)
Alias Name: 19400010
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/08/2007
Comments: Site is in compliance with the LUC restrictions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/30/2006
Comments: LAND USE COVENANT (LUC) DOCUMENT FOR THE FORMER MACY STREET SITE WAS RECORDED WITH LOS ANGELES COUNTY RECORD OFFICE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

Completed Date: 11/25/2012
Comments: Annual Inspection Report reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/02/2016
Comments: Annual report. No letter issued. The site in compliance with LUC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/12/2009
Comments: Annual Inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/21/2013
Comments: Annual Inspection report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 10/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/17/1996
Comments: VCP agreement signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 03/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/17/2008
Comments: DTSC approved the Site Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2004
Comments: Contaminated soil was excavated in accordance with the approved RAW.
As contamination remains in deeper soils, DTSC requires a deed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

restriction. Also, groundwater monitoring should continue on schedule.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/04/2004
Comments: Public Comment Period was from December 16, 2002 to January 17, 2003.
No response from public, Removal Action Work Plan was finalized on
February 4, 2003.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/29/2001
Comments: RI report for Macy Street Site accepted on 06/29/01 closing the RI
phase. DTSC expects RAW by 8/31. Originally an RI/FS was planned for
the Site. However, since no feasibility study was needed an RI (PEAe
commitment) was done instead. DTSC has approved the RI Report.
Removal Action Plan due on 8/15/01.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/21/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 04/20/2010
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 06/24/2017
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 19400010
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/30/2006

Envirostor ID: 19400010
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE/MACY STREET (Continued)

S102564449

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/02/2016

234
SSW
1/2-1
0.645 mi.
3408 ft.

AMETEK INC, L A DIE CASTING
340 CROCKER ST
LOS ANGELES, CA 90013

ENVIROSTOR **1000102043**
EMI **N/A**

Relative:
Lower

ENVIROSTOR:

Facility ID: 71003622
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.04554
Longitude: -118.2408
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD084340272
Alias Type: EPA Identification Number
Alias Name: 71003622
Alias Type: Envirostor ID Number

Actual:
263 ft.

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 05/24/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMETEK INC, L A DIE CASTING (Continued)

1000102043

Schedule Revised Date: Not reported

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 4197
Air District Name: SC
SIC Code: 3369
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 4197
Air District Name: SC
SIC Code: 3369
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 4197
Air District Name: SC
SIC Code: 3369
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

236
WNW
1/2-1
0.694 mi.
3665 ft.

BANK OF AMERICA DATA CENTER
1000 W TEMPLE ST
LOS ANGELES, CA 90012

ENVIROSTOR
SWEEPS UST
CA FID UST
EMI

S101617131
N/A

Relative:
Higher

ENVIROSTOR:

Facility ID: 71003397
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06143
Longitude: -118.2517
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL913236278
Alias Type: EPA Identification Number
Alias Name: 71003397
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:

Status: Active
Comp Number: 46
Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 7

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000002
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000003
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000005
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000006
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000007
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19000855
Regulated By: UTNKA
Regulated ID: 00000519
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132286430
Mail To: Not reported
Mailing Address: 1000 W TEMPLE ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 1102
Air District Name: SC
SIC Code: 0
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6035

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.164376
Reactive Organic Gases Tons/Yr: 0.08
Carbon Monoxide Emissions Tons/Yr: 0.94511
NOX - Oxides of Nitrogen Tons/Yr: 1.1194
SOX - Oxides of Sulphur Tons/Yr: 0.045411
Particulate Matter Tons/Yr: 0.13822307
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.13

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6021
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.101567752999352
Reactive Organic Gases Tons/Yr: 5.0753399999999997E-2
Carbon Monoxide Emissions Tons/Yr: 0.44517499999999999
NOX - Oxides of Nitrogen Tons/Yr: 0.46258700000000003
SOX - Oxides of Sulphur Tons/Yr: 2.6341920000000001E-2
Particulate Matter Tons/Yr: 0.65946000000000005
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.49272417439999999

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6021
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.100606879666023
Reactive Organic Gases Tons/Yr: 5.6100001570000002E-2
Carbon Monoxide Emissions Tons/Yr: 0.44217000367999998
NOX - Oxides of Nitrogen Tons/Yr: 0.79546002935000004
SOX - Oxides of Sulphur Tons/Yr: 4.6060327535000001E-2
Particulate Matter Tons/Yr: 1.3756500093999999
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.0190485691744

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 50323
Air District Name: SC
SIC Code: 6021
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.12077487206
Reactive Organic Gases Tons/Yr: 0.0717906722
Carbon Monoxide Emissions Tons/Yr: 0.5264128918

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BANK OF AMERICA DATA CENTER (Continued)

S101617131

NOX - Oxides of Nitrogen Tons/Yr: 1.1882713485
 SOX - Oxides of Sulphur Tons/Yr: 0.06466610105
 Particulate Matter Tons/Yr: 1.375290764
 Part. Matter 10 Micrometers and Smlr Tons/Yr:1.0383882577

BB237
NNE
1/2-1
0.707 mi.
3734 ft.

CALIFORNIA BRASS MANUFACTURING CO.
1447 NAUD STREET
LOS ANGELES, CA 90012

ENVIROSTOR 1000252312
N/A

Site 2 of 2 in cluster BB

Relative:
Higher

ENVIROSTOR:

Facility ID: 19330209
 Status: Refer: Other Agency
 Status Date: 08/15/1995
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: * Site Char & Assess Grant (CERCLA 104)
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 34.06666
 Longitude: -118.2307
 APN: 5409004011
 Past Use: NONE SPECIFIED
 Potential COC: * Metals - Other Inorganic Solid Waste * OIL/WATER SEPARATION SLUDGE
 * OXYGENATED SOLVENTS * UNSPECIFIED SOLVENT MIXTURES
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: WESTERN BRASS WORKS (1932-PRESENT)
 Alias Type: Alternate Name
 Alias Name: 5409004011
 Alias Type: APN
 Alias Name: CAD981170186
 Alias Type: CERCLIS ID
 Alias Name: 19330209
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 09/15/1981
 Comments: FACILITY IDENTIFIED ID BY PAC TEL DIR 1947. METAL.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CALIFORNIA BRASS MANUFACTURING CO. (Continued)

1000252312

Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

238
WNW
1/2-1
0.723 mi.
3815 ft.

BELMONT LEARNING CENTER
1ST STREET/BEAUDRY
LOS ANGELES, CA 90012

ENVIROSTOR S118756565
SCH N/A

Relative:
Higher

ENVIROSTOR:

Actual:
343 ft.

Facility ID: 19820013
 Status: No Action Required
 Status Date: 09/04/2003
 Site Code: 300728
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 39
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 51
 Senate: 24
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.05903
 Longitude: -118.2532
 APN: NONE SPECIFIED
 Past Use: * EDUCATIONAL SERVICES, FUEL - VEHICLE STORAGE/ REFUELING, OIL FIELD, RESIDENTIAL AREA, VEHICLE MAINTENANCE
 Potential COC: * UNSPECIFIED OIL CONTAINING WASTE Methane Benzo[a]pyrene TPH-diesel Hydrogen sulfide Benzene
 Confirmed COC: NONE SPECIFIED
 Potential Description: SOIL, SV
 Alias Name: BELMONT LEARNING CENTER
 Alias Type: Alternate Name
 Alias Name: BELMONT LEARNING CENTER
 Alias Type: Alternate Name
 Alias Name: BELMONT LEARNING COMPLEX
 Alias Type: Alternate Name
 Alias Name: LAUSD BELMONT LEARNING CENTER
 Alias Type: Alternate Name
 Alias Name: VISTA HERMOSA
 Alias Type: Alternate Name
 Alias Name: 300728
 Alias Type: Project Code (Site Code)
 Alias Name: 19820013
 Alias Type: Envirostor ID Number
 Alias Name: 60000001
 Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT LEARNING CENTER (Continued)

S118756565

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/21/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/01/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/25/1999
Comments: Sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT LEARNING CENTER (Continued)

S118756565

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19820013
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 39
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 300728
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: No Action Required
Status Date: 09/04/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05903
Longitude: -118.2532
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES, FUEL - VEHICLE STORAGE/ REFUELING, OIL FIELD, RESIDENTIAL AREA, VEHICLE MAINTENANCE
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE, Methane, Benzo[a]pyrene, TPH-diesel, Hydrogen sulfide, Benzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV
Alias Name: BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: BELMONT LEARNING COMPLEX
Alias Type: Alternate Name
Alias Name: LAUSD BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: VISTA HERMOSA
Alias Type: Alternate Name
Alias Name: 300728
Alias Type: Project Code (Site Code)
Alias Name: 19820013
Alias Type: Envirostor ID Number
Alias Name: 60000001
Alias Type: Envirostor ID Number

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT LEARNING CENTER (Continued)

S118756565

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/21/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/01/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/25/1999
Comments: Sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT LEARNING CENTER (Continued)

S118756565

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC239
WSW
1/2-1
0.729 mi.
3848 ft.

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B
VINELAND AVENUE/CUMPSTON STREET
LOS ANGELES, CA 91601

ENVIROSTOR S106387259
SCH N/A

Site 1 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Actual:
400 ft.

Facility ID: 19000011
Status: Certified
Status Date: 09/24/2008
Site Code: 304295
Site Type: School Cleanup
Site Type Detailed: School
Acres: 6.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 18
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.16868
Longitude: -118.3704
APN: 2350-013-901, 2350-013-902
Past Use: VEHICLE MAINTENANCE
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL, SV
Alias Name: EAST VALLEY AREA NEW HIGH SCHOOL #1B
Alias Type: Alternate Name
Alias Name: East Valley HS
Alias Type: Alternate Name
Alias Name: LAUSD-EAST VALLEY NEW HS #1B
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 2350-013-901
Alias Type: APN
Alias Name: 2350-013-902
Alias Type: APN
Alias Name: 110033606211
Alias Type: EPA (FRS #)
Alias Name: 304295
Alias Type: Project Code (Site Code)
Alias Name: 19000011
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B (Continued)

S106387259

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/10/2008
Comments: DTSC certified the EVHS 1B project

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/10/2007
Comments: DTSC filed Notice of Exemption Pursuant to California Environmental Quality Act.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/10/2007
Comments: DTSC concurred with the sampling plan proposed in the SSI TM

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/15/2007
Comments: FA required for lead

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/13/2007
Comments: Fact sheet approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/11/2008
Comments: DTSC determined that No Further Action is necessary based on the Removal Action Completion Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B (Continued)

S106387259

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/28/2008
Comments: DTSC approved the construction response report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/25/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/10/2008
Comments: DTSC prepared Cost Recovery Unit close out Memorandum

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19000011
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B (Continued)

S106387259

Project Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304295
Assembly: 53
Senate: 18
Special Program Status: Not reported
Status: Certified
Status Date: 09/24/2008
Restricted Use: NO
Funding: School District
Latitude: 34.16868
Longitude: -118.3704
APN: 2350-013-901, 2350-013-902
Past Use: VEHICLE MAINTENANCE
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL, SV
Alias Name: EAST VALLEY AREA NEW HIGH SCHOOL #1B
Alias Type: Alternate Name
Alias Name: East Valley HS
Alias Type: Alternate Name
Alias Name: LAUSD-EAST VALLEY NEW HS #1B
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 2350-013-901
Alias Type: APN
Alias Name: 2350-013-902
Alias Type: APN
Alias Name: 110033606211
Alias Type: EPA (FRS #)
Alias Name: 304295
Alias Type: Project Code (Site Code)
Alias Name: 19000011
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/10/2008
Comments: DTSC certified the EVHS 1B project

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/10/2007
Comments: DTSC filed Notice of Exemption Pursuant to California Environmental Quality Act.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B (Continued)

S106387259

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/10/2007
Comments: DTSC concurred with the sampling plan proposed in the SSI TM

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/15/2007
Comments: FA required for lead

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 07/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/13/2007
Comments: Fact sheet approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/11/2008
Comments: DTSC determined that No Further Action is necessary based on the Removal Action Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/28/2008
Comments: DTSC approved the construction response report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/25/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/22/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY AREA NEW HIGH SCHOOL NO. 1B (Continued)

S106387259

Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/10/2008
Comments: DTSC prepared Cost Recovery Unit close out Memorandum

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC240
WSW
1/2-1
0.729 mi.
3848 ft.

DOWNTOWN BUSINESS MAGNET
1061 & 1081 WEST TEMPLE STREET
LOS ANGELES, CA 90012

ENVIROSTOR S118756509
SCH N/A

Site 2 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:
Facility ID: 19000017
Status: No Action Required
Status Date: 05/15/2003
Site Code: 304009
Site Type: School Investigation
Site Type Detailed: School
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWNTOWN BUSINESS MAGNET (Continued)

S118756509

Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304009
Alias Type: Project Code (Site Code)
Alias Name: 19000017
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/1999
Comments: Draft Addendum Supplemental Sampling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19000017
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304009
Assembly: 53
Senate: 30

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWNTOWN BUSINESS MAGNET (Continued)

S118756509

Special Program Status: Not reported
Status: No Action Required
Status Date: 05/15/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304009
Alias Type: Project Code (Site Code)
Alias Name: 19000017
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/1999
Comments: Draft Addendum Supplemental Sampling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BC241 **SANTA MONICA NEW PRIMARY CENTER**
WSW **SANTA MONICA BLVD/GORDON ST/LEXINGTON AVE**
1/2-1 **LOS ANGELES, CA 90038**
0.729 mi.
3848 ft. **Site 3 of 17 in cluster BC**

ENVIROSTOR **S105628638**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:

Actual:
400 ft.

Facility ID: 19880035
Status: No Further Action
Status Date: 04/15/2004
Site Code: 304317
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.83
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead Formaldehyde
Confirmed COC: 30295-NO 30013-NO
Potential Description: SOIL
Alias Name: LAUSD-SANTA MONICA NEW PC
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA MONICA NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304317
Alias Type: Project Code (Site Code)
Alias Name: 19880035
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA MONICA NEW PRIMARY CENTER (Continued)

S105628638

Completed Date: 01/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/23/2012
Comments: 2nd Collection Letter sent for Inv. 03SM1854.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter 03SM1854

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880035
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.83
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304317
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 04/15/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA MONICA NEW PRIMARY CENTER (Continued)

S105628638

Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead, Formaldehyde
Confirmed COC: 30295-NO, 30013-NO
Potential Description: SOIL
Alias Name: LAUSD-SANTA MONICA NEW PC
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA MONICA NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304317
Alias Type: Project Code (Site Code)
Alias Name: 19880035
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/23/2012
Comments: 2nd Collection Letter sent for Inv. 03SM1854.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA MONICA NEW PRIMARY CENTER (Continued)

S105628638

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter 03SM1854

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**BC242
WSW
1/2-1
0.729 mi.
3848 ft.**

**HOOPER NEW PRIMARY CENTER
EAST 52ND STREET/HOOPER AVENUE
LOS ANGELES, CA 90011**

**ENVIROSTOR S118756618
SCH N/A**

Site 4 of 17 in cluster BC

**Relative:
Higher**

ENVIROSTOR:

Facility ID: 19880043
Status: No Action Required
Status Date: 10/10/2003
Site Code: 304284
Site Type: School Investigation
Site Type Detailed: School
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: HOOPER NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER PC
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304284
Alias Type: Project Code (Site Code)
Alias Name: 19880043
Alias Type: Envirostor ID Number

**Actual:
400 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER NEW PRIMARY CENTER (Continued)

S118756618

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/15/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/24/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/11/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880043
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304284

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER NEW PRIMARY CENTER (Continued)

S118756618

Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Action Required
Status Date: 10/10/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: HOOPER NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER PC
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304284
Alias Type: Project Code (Site Code)
Alias Name: 19880043
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/15/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/24/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/11/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOOPER NEW PRIMARY CENTER (Continued)

S118756618

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC243 **FREMONT NEW PRIMARY CENTER NO. 2**
WSW **MENLO AVENUE/BARING CROSS STREET**
1/2-1 **LOS ANGELES, CA 90044**
0.729 mi.
3848 ft. **Site 5 of 17 in cluster BC**

ENVIROSTOR **S105628627**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:
Facility ID: 19880023
Status: No Further Action
Status Date: 10/10/2003
Site Code: 304298
Site Type: School Investigation
Site Type Detailed: School
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Chromium VI Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL

Actual:
400 ft.

Alias Name: FREMONT NEW PRIMARY CENTER #2
Alias Type: Alternate Name
Alias Name: FREMONT NEW PRIMARY CENTER #2 (PROP)
Alias Type: Alternate Name
Alias Name: FREMONT NEW PRIMARY CENTER NO. 2
Alias Type: Alternate Name
Alias Name: LAUSD-FREMONT NEW PC # 2
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304298
Alias Type: Project Code (Site Code)
Alias Name: 19880023
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT NEW PRIMARY CENTER NO. 2 (Continued)

S105628627

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880023
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREMONT NEW PRIMARY CENTER NO. 2 (Continued)

S105628627

Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304298
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/10/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Chromium VI, Chromium VI, Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: FREMONT NEW PRIMARY CENTER #2
Alias Type: Alternate Name
Alias Name: FREMONT NEW PRIMARY CENTER #2 (PROP)
Alias Type: Alternate Name
Alias Name: FREMONT NEW PRIMARY CENTER NO. 2
Alias Type: Alternate Name
Alias Name: LAUSD-FREMONT NEW PC # 2
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304298
Alias Type: Project Code (Site Code)
Alias Name: 19880023
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FREMONT NEW PRIMARY CENTER NO. 2 (Continued)

S105628627

Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 09/11/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 02/10/2000
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC244
WSW
1/2-1
0.729 mi.
3848 ft.

BELMONT NEW PRIMARY CENTER NO. 2
218/220/222/224 N. JUANITA AVE/217/225 N. MADISON AVE
LOS ANGELES, CA 90004

ENVIROSTOR **S118756525**
SCH **N/A**

Site 6 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Facility ID: 19390060
 Status: No Action Required
 Status Date: 05/17/2002
 Site Code: 304227
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 1.2
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.05227
 Longitude: -118.2527
 APN: NONE SPECIFIED
 Past Use: MANUFACTURING - OTHER
 Potential COC: NONE SPECIFIED No Contaminants found
 Confirmed COC: NONE SPECIFIED
 Potential Description: NMA
 Alias Name: BELMONT NEW PRIMARY CENTER #2
 Alias Type: Alternate Name
 Alias Name: LAUSD-BELMONT USD PC #2
 Alias Type: Alternate Name

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT NEW PRIMARY CENTER NO. 2 (Continued)

S118756525

Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304227
Alias Type: Project Code (Site Code)
Alias Name: 19390060
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19390060
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304227
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Action Required
Status Date: 05/17/2002
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: NONE SPECIFIED, No Contaminants found

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BELMONT NEW PRIMARY CENTER NO. 2 (Continued)

S118756525

Confirmed COC: NONE SPECIFIED
 Potential Description: NMA
 Alias Name: BELMONT NEW PRIMARY CENTER #2
 Alias Type: Alternate Name
 Alias Name: LAUSD-BELMONT USD PC #2
 Alias Type: Alternate Name
 Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
 Alias Type: Alternate Name
 Alias Name: 304227
 Alias Type: Project Code (Site Code)
 Alias Name: 19390060
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 05/17/2002
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 02/10/2000
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC245
WSW
1/2-1
0.729 mi.
3848 ft.

CAHUENGA NEW ELEMENTARY SCHOOL NO. 1
WESTERN AVENUE/OXFORD AVENUE
LOS ANGELES, CA 90004

ENVIROSTOR S105628542
SCH N/A

Site 7 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Facility ID: 19730195
 Status: No Further Action
 Status Date: 02/26/2004
 Site Code: 304276
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 2.64
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Shahir Haddad
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAHUENGA NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628542

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: * BUSINESS SERVICES
Potential COC: Chloromethane (methyl chloride Carbon disulfide Benzene
1,2,4-Trimethylbenzene Toluene Acetone Molybdenum Tetrachloroethylene
(PCE 1,3,5-Trimethylbenzene 1,4-Dichlorobenzene Xylenes
1,2-Dibromo-3-chloropropane (DBCP Methylene chloride
Dichlorodifluoromethane Chloroform Ethylbenzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV, SURFW
Alias Name: CAHUENGA NEW ELEMENTARY SCHOOL #1
Alias Type: Alternate Name
Alias Name: CAHUENGA NEW ELEMENTARY SCHOOL NO. 1
Alias Type: Alternate Name
Alias Name: LAUSD-CAHUENGA ES # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304276
Alias Type: Project Code (Site Code)
Alias Name: 19730195
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/14/2001
Comments: PEA Workplan implemented without DTSC approval.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAHUENGA NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628542

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/26/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19730195
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.64
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304276
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 02/26/2004
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: * BUSINESS SERVICES
Potential COC: Chloromethane (methyl chloride, Chloromethane (methyl chloride, Carbon disulfide, Benzene, 1,2,4-Trimethylbenzene, Toluene, Acetone, Molybdenum, Tetrachloroethylene (PCE, 1,3,5-Trimethylbenzene, 1,4-Dichlorobenzene, Xylenes, 1,2-Dibromo-3-chloropropane (DBCP, Methylene chloride, Dichlorodifluoromethane, Chloroform, Ethylbenzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV, SURFW
Alias Name: CAHUENGA NEW ELEMENTARY SCHOOL #1
Alias Type: Alternate Name
Alias Name: CAHUENGA NEW ELEMENTARY SCHOOL NO. 1
Alias Type: Alternate Name
Alias Name: LAUSD-CAHUENGA ES # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAHUENGA NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628542

Alias Name: 304276
Alias Type: Project Code (Site Code)
Alias Name: 19730195
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/14/2001
Comments: PEA Workplan implemented without DTSC approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/26/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BC246 EAST LOS ANGELES HIGH SCHOOL NO. 1
WSW BELVEDERE PARK/CESAR CHAVEZ AVE/MEDNIK AVE/1ST ST
1/2-1 LOS ANGELES, CA 90022

ENVIROSTOR S107736248
SCH N/A

0.729 mi.
3848 ft. Site 8 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Actual:
400 ft.

Facility ID: 19820069
Status: Inactive - Needs Evaluation
Status Date: 03/17/2003
Site Code: 304320
Site Type: School Cleanup
Site Type Detailed: School
Acres: 16.35
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.04039
Longitude: -118.1606
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: Pyrene * phenanthrene * benzo (ghi) perylene Lead DDE Anthracene
Copper and compounds Thallium and compounds Benzene Mercury
(elemental Toluene Xylenes Dichlorodifluoromethane Ethylbenzene Zinc
Molybdenum Beryllium and compounds Dieldrin Chlordane Fluoranthene
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: EAST LOS ANGELES HIGH SCHOOL #1
Alias Type: Alternate Name
Alias Name: LAUSD-EAST LA HS # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033618681
Alias Type: EPA (FRS #)
Alias Name: 304320
Alias Type: Project Code (Site Code)
Alias Name: 19820069
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/21/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/17/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736248

Comments: LAUSD has indicated that there will be no more investigation at this time, while they look for another site location.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19820069
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 16.35
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304320
Assembly: 53
Senate: 24
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 03/17/2003
Restricted Use: NO
Funding: School District
Latitude: 34.04039
Longitude: -118.1606
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: Pyrene, Pyrene, * phenanthrene, * benzo (ghi) perylene, Lead, DDE, Anthracene, Copper and compounds, Thallium and compounds, Benzene, Mercury (elemental, Toluene, Xylenes, Dichlorodifluoromethane, Ethylbenzene, Zinc, Molybdenum, Beryllium and compounds, Dieldrin, Chlordane, Fluoranthene
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: EAST LOS ANGELES HIGH SCHOOL #1
Alias Type: Alternate Name
Alias Name: LAUSD-EAST LA HS # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736248

Alias Type: Alternate Name
Alias Name: 110033618681
Alias Type: EPA (FRS #)
Alias Name: 304320
Alias Type: Project Code (Site Code)
Alias Name: 19820069
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/21/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/17/2003
Comments: LAUSD has indicated that there will be no more investigation at this time, while they look for another site location.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC247
WSW
1/2-1
0.729 mi.
3848 ft.

WEEMES ELEMENTARY SCHOOL PLAYGROUND
1201-1203, 1205, 1207, 1215 WEST 37TH STREET
LOS ANGELES, CA 90007

ENVIROSTOR S105628620
SCH N/A

Site 9 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Facility ID: 19880015
Status: Certified
Status Date: 11/12/2003
Site Code: 304338
Site Type: School Cleanup
Site Type Detailed: School
Acres: .64
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEEMES ELEMENTARY SCHOOL PLAYGROUND (Continued)

S105628620

Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.02138
Longitude: -118.2963
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Chlordane Dieldrin DDD DDT Lead DDE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LAUSD-WEEMES ELEM SCHOOL PLAYGROUND EXP
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WEEMES ELEMENTARY SCHOOL PLAYGROUND
Alias Type: Alternate Name
Alias Name: 110033614453
Alias Type: EPA (FRS #)
Alias Name: 304338
Alias Type: Project Code (Site Code)
Alias Name: 19880015
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 03/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/28/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEEMES ELEMENTARY SCHOOL PLAYGROUND (Continued)

S105628620

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/31/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 02/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/28/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEEMES ELEMENTARY SCHOOL PLAYGROUND (Continued)

S105628620

SCH:

Facility ID: 19880015
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: .64
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304338
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: Certified
Status Date: 11/12/2003
Restricted Use: NO
Funding: School District
Latitude: 34.02138
Longitude: -118.2963
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Chlordane, Chlordane, Dieldrin, DDD, DDT, Lead, DDE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LAUSD-WEEMES ELEM SCHOOL PLAYGROUND EXP
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WEEMES ELEMENTARY SCHOOL PLAYGROUND
Alias Type: Alternate Name
Alias Name: 110033614453
Alias Type: EPA (FRS #)
Alias Name: 304338
Alias Type: Project Code (Site Code)
Alias Name: 19880015
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 03/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEEMES ELEMENTARY SCHOOL PLAYGROUND (Continued)

S105628620

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/28/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/31/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 02/10/2003
Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WEEMES ELEMENTARY SCHOOL PLAYGROUND (Continued)

S105628620

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Inspections/Visit (Non LUR)
 Completed Date: 09/28/2001
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC248
WSW
1/2-1
0.729 mi.
3848 ft.

BELMONT NEW PRIMARY CENTER NO. 12
LAKE STREET/ROSELAKE AVENUE
LOS ANGELES, CA 90026
Site 10 of 17 in cluster BC

ENVIROSTOR **S107735904**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:

Facility ID: 19880022
 Status: No Further Action
 Status Date: 10/10/2003
 Site Code: 304310
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 2
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.05227
 Longitude: -118.2527
 APN: NONE SPECIFIED
 Past Use: RESIDENTIAL AREA
 Potential COC: Asbestos Containing Materials (ACM Lead)
 Confirmed COC: NONE SPECIFIED
 Potential Description: NMA
 Alias Name: BELMONT NEW PRIMARY CENTER #12
 Alias Type: Alternate Name
 Alias Name: BELOMOT NEW PRIMARY CENTER #12
 Alias Type: Alternate Name
 Alias Name: BELOMOT NEW PRIMARY CENTER NO. 12
 Alias Type: Alternate Name
 Alias Name: LAUSD-BELMONT PC # 12
 Alias Type: Alternate Name
 Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT NEW PRIMARY CENTER NO. 12 (Continued)

S107735904

Alias Type: Alternate Name
Alias Name: 304310
Alias Type: Project Code (Site Code)
Alias Name: 19880022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/10/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 08/05/2003
Comments: 4.14 request received post PEA and pre-SSI.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880022
Site Type: School Investigation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELMONT NEW PRIMARY CENTER NO. 12 (Continued)

S107735904

Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304310
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/10/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Asbestos Containing Materials (ACM, Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: BELMONT NEW PRIMARY CENTER #12
Alias Type: Alternate Name
Alias Name: BELOMOT NEW PRIMARY CENTER #12
Alias Type: Alternate Name
Alias Name: BELOMOT NEW PRIMARY CENTER NO. 12
Alias Type: Alternate Name
Alias Name: LAUSD-BELMONT PC # 12
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304310
Alias Type: Project Code (Site Code)
Alias Name: 19880022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/10/2001
Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BELMONT NEW PRIMARY CENTER NO. 12 (Continued)

S107735904

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 09/30/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: 4.14 Request
 Completed Date: 08/05/2003
 Comments: 4.14 request received post PEA and pre-SSI.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 02/10/2000
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC249
WSW
1/2-1
0.729 mi.
3848 ft.

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4
BROADWAY/GRAND AVE/35TH & 37TH STREET
LOS ANGELES, CA 90007
Site 11 of 17 in cluster BC

ENVIROSTOR **S105628499**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:

Actual:
400 ft.

Facility ID: 19390058
 Status: Certified
 Status Date: 07/27/2006
 Site Code: 304312
 Site Type: School Cleanup
 Site Type Detailed: School
 Acres: 8
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Shahir Haddad
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.01783
 Longitude: -118.2759
 APN: 5122-029-003, 5122-029-004, 5122-029-011, 5122-033-001, 5122-033-009,
 5122-033-015, 5122-033-017, 5122-034-011, 5122-034-012, 5122-034-013,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

5122-034-014, 5122-034-015, 5122-034-016, 5122-034-017, 5122-034-018
Past Use: MANUFACTURING - OTHER, NONE
Potential COC: Lead Arsenic Lead
Confirmed COC: Arsenic Lead
Potential Description: SOIL, SOIL
Alias Name: CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4
Alias Type: Alternate Name
Alias Name: LAUSD-CENTRAL LA MS # 4
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 5122-029-003
Alias Type: APN
Alias Name: 5122-029-004
Alias Type: APN
Alias Name: 5122-029-011
Alias Type: APN
Alias Name: 5122-033-001
Alias Type: APN
Alias Name: 5122-033-009
Alias Type: APN
Alias Name: 5122-033-015
Alias Type: APN
Alias Name: 5122-033-017
Alias Type: APN
Alias Name: 5122-034-011
Alias Type: APN
Alias Name: 5122-034-012
Alias Type: APN
Alias Name: 5122-034-013
Alias Type: APN
Alias Name: 5122-034-014
Alias Type: APN
Alias Name: 5122-034-015
Alias Type: APN
Alias Name: 5122-034-016
Alias Type: APN
Alias Name: 5122-034-017
Alias Type: APN
Alias Name: 5122-034-018
Alias Type: APN
Alias Name: 110033619378
Alias Type: EPA (FRS #)
Alias Name: 304312
Alias Type: Project Code (Site Code)
Alias Name: 19390058
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

Completed Date: 02/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/16/2007
Comments: CRU Memo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Central Los Angeles Middle School #4 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/05/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/12/2006
Comments: Implementation of RAW began on 6/8/2006 and completed on 6/12/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: DTSC provided comments to FSI TM on 1/27/2006. Revised FSI TM received on 2/2/2006. DTSC conditionally approved FSI TM.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/03/2005
Comments: Areas A & B sampled for potential fill material. No Further Action determination for Areas A & B only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/17/2006
Comments: DTSC concurs with Supplemental Site Investigation that further action is required for lead and arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/05/2006
Comments: No written or verbal comments received during 30-day public comment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

period. DTSC approves RAW for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/10/2006
Comments: FSI Report approved for further action, for arsenic and lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/05/2006
Comments: DTSC approves the RACR. 377.5 tons of arsenic and lead contaminated soil was excavated and transported offsite for disposal at Clean Harbors Environmental Services, Inc. in Buttonwillow, CA. Confirmation samples show all contamination has been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/22/2001
Comments: RP provided report for background information (see RP - Final).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/11/2002
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site. Further Action for Lead and Asbestos only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/30/2002
Comments: DTSC approved the Supplemental Site Investigation and determined that remediation is required at the proposed school site. Lead and Asbestos only for older structures that may contain lead based paint.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/02/2003
Comments: Addendum for LBP. Approved SSI for NFA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/27/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19390058
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304312
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: Certified
Status Date: 07/27/2006
Restricted Use: NO
Funding: School District
Latitude: 34.01783
Longitude: -118.2759
APN: 5122-029-003, 5122-029-004, 5122-029-011, 5122-033-001, 5122-033-009,
5122-033-015, 5122-033-017, 5122-034-011, 5122-034-012, 5122-034-013,
5122-034-014, 5122-034-015, 5122-034-016, 5122-034-017, 5122-034-018
Past Use: MANUFACTURING - OTHER, NONE
Potential COC: Lead, Lead, Arsenic, Lead
Confirmed COC: Arsenic, Lead
Potential Description: SOIL, SOIL
Alias Name: CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4
Alias Type: Alternate Name
Alias Name: LAUSD-CENTRAL LA MS # 4
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 5122-029-003
Alias Type: APN
Alias Name: 5122-029-004
Alias Type: APN
Alias Name: 5122-029-011
Alias Type: APN
Alias Name: 5122-033-001
Alias Type: APN
Alias Name: 5122-033-009
Alias Type: APN
Alias Name: 5122-033-015
Alias Type: APN
Alias Name: 5122-033-017
Alias Type: APN
Alias Name: 5122-034-011
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

Alias Name: 5122-034-012
Alias Type: APN
Alias Name: 5122-034-013
Alias Type: APN
Alias Name: 5122-034-014
Alias Type: APN
Alias Name: 5122-034-015
Alias Type: APN
Alias Name: 5122-034-016
Alias Type: APN
Alias Name: 5122-034-017
Alias Type: APN
Alias Name: 5122-034-018
Alias Type: APN
Alias Name: 110033619378
Alias Type: EPA (FRS #)
Alias Name: 304312
Alias Type: Project Code (Site Code)
Alias Name: 19390058
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/16/2007
Comments: CRU Memo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051)
EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Central Los Angeles Middle School #4 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/05/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/12/2006
Comments: Implementation of RAW began on 6/8/2006 and completed on 6/12/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: DTSC provided comments to FSI TM on 1/27/2006. Revised FSI TM received on 2/2/2006. DTSC conditionally approved FSI TM.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/03/2005
Comments: Areas A & B sampled for potential fill material. No Further Action determination for Areas A & B only.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/17/2006
Comments: DTSC concurs with Supplemental Site Investigation that further action is required for lead and arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/05/2006
Comments: No written or verbal comments received during 30-day public comment period. DTSC approves RAW for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/10/2006
Comments: FSI Report approved for further action, for arsenic and lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/05/2006
Comments: DTSC approves the RACR. 377.5 tons of arsenic and lead contaminated soil was excavated and transported offsite for disposal at Clean Harbors Environmental Services, Inc. in Buttonwillow, CA. Confirmation samples show all contamination has been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/22/2001
Comments: RP provided report for background information (see RP - Final).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/11/2002

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL LOS ANGELES MIDDLE SCHOOL NO. 4 (Continued)

S105628499

Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site. Further Action for Lead and Asbestos only.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 05/30/2002
 Comments: DTSC approved the Supplemental Site Investigation and determined that remediation is required at the proposed school site. Lead and Asbestos only for older structures that may contain lead based paint.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 10/02/2003
 Comments: Addendum for LBP. Approved SSI for NFA.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Certification
 Completed Date: 07/27/2006
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC250
WSW
1/2-1
0.729 mi.
3848 ft.

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
WADWORTH AVENUE/52ND PLACE
LOS ANGELES, CA 90011
Site 12 of 17 in cluster BC

ENVIROSTOR **S107736506**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:
 Facility ID: 19880016
 Status: Certified
 Status Date: 12/13/2003
 Site Code: 304288
 Site Type: School Cleanup
 Site Type Detailed: School
 Acres: 2.85
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30
 Special Program: Not reported
 Restricted Use: NO

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued)

S107736506

Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.99489
Longitude: -118.2589
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Alias Type: Alternate Name
Alias Name: LAUSD-JEFFERSON NEW ES # 7
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033606685
Alias Type: EPA (FRS #)
Alias Name: 304288
Alias Type: Project Code (Site Code)
Alias Name: 19880016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/08/2003
Comments: CEQA approved for the Removal Action. Notice of Exemption filed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/15/2002
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/14/2003
Comments: RAW approved, no public comment period due to small volume and low interest.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued)

S107736506

Completed Date: 07/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/17/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Cert site, Cert RA-RAC apprvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson New Elementary School No. 27 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/09/2003
Comments: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary and certified the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/17/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880016
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued)

S107736506

National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304288
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: Certified
Status Date: 12/13/2003
Restricted Use: NO
Funding: School District
Latitude: 33.99489
Longitude: -118.2589
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Alias Type: Alternate Name
Alias Name: LAUSD-JEFFERSON NEW ES # 7
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033606685
Alias Type: EPA (FRS #)
Alias Name: 304288
Alias Type: Project Code (Site Code)
Alias Name: 19880016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/08/2003
Comments: CEQA approved for the Removal Action. Notice of Exemption filed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/15/2002
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued)

S107736506

Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/14/2003
Comments: RAW approved, no public comment period due to small volume and low interest.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/17/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Cert site, Cert RA-RAC apprvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson New Elementary School No. 27 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/09/2003
Comments: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary and certified the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/17/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued)

S107736506

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**BC251
WSW
1/2-1
0.729 mi.
3848 ft.**

**PIO PICO PLAYGROUND EXPANSION
1313, 1325, 1327, 1331, 1401 S. VAN NESS AVE.
LOS ANGELES, CA 90019**

**ENVIROSTOR S118756616
SCH N/A**

Site 13 of 17 in cluster BC

**Relative:
Higher**

ENVIROSTOR:

Facility ID: 19880036
Status: No Action Required
Status Date: 01/10/2006
Site Code: 304343
Site Type: School Investigation
Site Type Detailed: School
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LAUSD-PIO PICO ES PLAYGROUND
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: PIO PICO PLAYGROUND EXPANSION
Alias Type: Alternate Name
Alias Name: 304343
Alias Type: Project Code (Site Code)
Alias Name: 19880036
Alias Type: Envirostor ID Number

**Actual:
400 ft.**

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PIO PICO PLAYGROUND EXPANSION (Continued)

S118756616

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/16/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 11/25/2002
Comments: Inactive Status Letter completed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880036
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PIO PICO PLAYGROUND EXPANSION (Continued)

S118756616

Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304343
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Action Required
Status Date: 01/10/2006
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LAUSD-PIO PICO ES PLAYGROUND
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: PIO PICO PLAYGROUND EXPANSION
Alias Type: Alternate Name
Alias Name: 304343
Alias Type: Project Code (Site Code)
Alias Name: 19880036
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/02/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/16/2002
Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PIO PICO PLAYGROUND EXPANSION (Continued)

S118756616

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 02/10/2000
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Inactive Status Letter
 Completed Date: 11/25/2002
 Comments: Inactive Status Letter completed.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

BC252
WSW
1/2-1
0.729 mi.
3848 ft.

VINE NEW PRIMARY CENTER
LA MIRADA AVE/CAHUENGA BLVD/LEXINGTON AVE/COLE AVE
LOS ANGELES, CA 90038
Site 14 of 17 in cluster BC

ENVIROSTOR **S105628533**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:
 Facility ID: 19650022
 Status: Inactive - Action Required
 Status Date: 03/20/2003
 Site Code: 304212
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 0
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 30
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.05227
 Longitude: -118.2527
 APN: NONE SPECIFIED
 Past Use: * UNKNOWN
 Potential COC: Lead Polychlorinated biphenyls (PCBs)
 Confirmed COC: Polychlorinated biphenyls (PCBs Lead
 Potential Description: SOIL
 Alias Name: LA USD-VINE NEW PC
 Alias Type: Alternate Name
 Alias Name: LAUSD-VINE NEW PRIMARY CENTER

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VINE NEW PRIMARY CENTER (Continued)

S105628533

Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: VINE NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304023
Alias Type: Project Code (Site Code)
Alias Name: 304212
Alias Type: Project Code (Site Code)
Alias Name: 19650022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/06/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19650022
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VINE NEW PRIMARY CENTER (Continued)

S105628533

Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304212
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: Inactive - Action Required
Status Date: 03/20/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: * UNKNOWN
Potential COC: Lead, Polychlorinated biphenyls (PCBs)
Confirmed COC: Polychlorinated biphenyls (PCBs, Lead
Potential Description: SOIL
Alias Name: LA USD-VINE NEW PC
Alias Type: Alternate Name
Alias Name: LAUSD-VINE NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: VINE NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: 304023
Alias Type: Project Code (Site Code)
Alias Name: 304212
Alias Type: Project Code (Site Code)
Alias Name: 19650022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/06/2000
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VINE NEW PRIMARY CENTER (Continued)

S105628533

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC253 MARSHALL NEW PRIMARY CENTER NO. 1
WSW LEXINGTON AVE/WESTMORELAND AVE/LYMAN PLACE
1/2-1 LOS ANGELES, CA 90029
0.729 mi.
3848 ft. Site 15 of 17 in cluster BC

ENVIROSTOR S112057176
SCH N/A

Relative:
Higher

ENVIROSTOR:

Actual:
400 ft.

Facility ID: 19650016
Status: No Further Action
Status Date: 11/25/2002
Site Code: 304294
Site Type: School Investigation
Site Type Detailed: School
Acres: 2.05
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LAUSD-MARSHAL NEW PC#1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MARSHALL NEW PRIMARY CENTER #1
Alias Type: Alternate Name
Alias Name: 304294
Alias Type: Project Code (Site Code)
Alias Name: 19650016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARSHALL NEW PRIMARY CENTER NO. 1 (Continued)

S112057176

Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/29/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19650016
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.05
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304294
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/25/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARSHALL NEW PRIMARY CENTER NO. 1 (Continued)

S112057176

Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LAUSD-MARSHAL NEW PC#1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MARSHALL NEW PRIMARY CENTER #1
Alias Type: Alternate Name
Alias Name: 304294
Alias Type: Project Code (Site Code)
Alias Name: 19650016
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/29/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARSHALL NEW PRIMARY CENTER NO. 1 (Continued)

S112057176

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**BC254
WSW
1/2-1
0.729 mi.
3848 ft.**

**EAST VALLEY MIDDLE SCHOOL NO. 1
LAUREL CANYON BOULEVARD/HAMLIN STREET
LOS ANGELES, CA 91606**

**ENVIROSTOR S107736257
SCH N/A**

Site 16 of 17 in cluster BC

**Relative:
Higher**

ENVIROSTOR:

**Actual:
400 ft.**

Facility ID: 19750089
Status: Certified
Status Date: 01/26/2004
Site Code: 304332
Site Type: School Cleanup
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 18
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.18849
Longitude: -118.3964
APN: NONE SPECIFIED
Past Use: VEHICLE MAINTENANCE
Potential COC: Chrysene Dibenz[ah]anthracene * phenanthrene Anthracene
Benzo[k]fluoranthene Fluoranthene Indeno[1,2,3-cd]pyrene * benzo
(ghi) perylene Benzo[b]fluoranthene Benzo[a]pyrene Pyrene
Benz[a]anthracene

Confirmed COC: NONE SPECIFIED

Potential Description: SOIL

Alias Name: EAST VALLEY MIDDLE SCHOOL #1
Alias Type: Alternate Name
Alias Name: EAST VALLEY MIDDLE SCHOOL #1 (PROPOSED)
Alias Type: Alternate Name
Alias Name: LAUSD-E VALLEY MS # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033606220
Alias Type: EPA (FRS #)
Alias Name: 304332
Alias Type: Project Code (Site Code)
Alias Name: 19750089
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY MIDDLE SCHOOL NO. 1 (Continued)

S107736257

Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 12/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/18/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY MIDDLE SCHOOL NO. 1 (Continued)

S107736257

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/26/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19750089
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304332
Assembly: 53
Senate: 18
Special Program Status: Not reported
Status: Certified
Status Date: 01/26/2004
Restricted Use: NO
Funding: School District
Latitude: 34.18849
Longitude: -118.3964
APN: NONE SPECIFIED
Past Use: VEHICLE MAINTENANCE
Potential COC: Chrysene, Chrysene, Dibenz[ah]anthracene, * phenanthrene, Anthracene, Benzo[k]fluoranthene, Fluoranthene, Indeno[1,2,3-cd]pyrene, * benzo (ghi) perylene, Benzo[b]fluoranthene, Benzo[a]pyrene, Pyrene, Benz[a]anthracene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: EAST VALLEY MIDDLE SCHOOL #1
Alias Type: Alternate Name
Alias Name: EAST VALLEY MIDDLE SCHOOL #1 (PROPOSED)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY MIDDLE SCHOOL NO. 1 (Continued)

S107736257

Alias Type: Alternate Name
Alias Name: LAUSD-E VALLEY MS # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033606220
Alias Type: EPA (FRS #)
Alias Name: 304332
Alias Type: Project Code (Site Code)
Alias Name: 19750089
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 12/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST VALLEY MIDDLE SCHOOL NO. 1 (Continued)

S107736257

Completed Date: 10/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/18/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/26/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

BC255
WSW
1/2-1
0.729 mi.
3848 ft.

WILSON NEW ELEMENTARY SCHOOL NO. 1
HUNTINGTON DR/LIFUR AVENUE/OAKLAND STREET
LOS ANGELES, CA 90032

ENVIROSTOR **S105628636**
SCH **N/A**

Site 17 of 17 in cluster BC

Relative:
Higher

ENVIROSTOR:

Facility ID: 19880033
Status: No Further Action
Status Date: 10/16/2003
Site Code: 304315
Site Type: School Investigation
Site Type Detailed: School
Acres: 4.76
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53

Actual:
400 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILSON NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628636

Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Benzene TPH-diesel
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SURFW
Alias Name: LAUSD-WILSON NEW ES # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL #1
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL #1 (PROP)
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL NO. 1
Alias Type: Alternate Name
Alias Name: 304315
Alias Type: Project Code (Site Code)
Alias Name: 19880033
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/13/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/14/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/16/2003
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILSON NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628636

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19880033
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.76
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304315
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/16/2003
Restricted Use: NO
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Benzene, Benzene, TPH-diesel
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SURFW
Alias Name: LAUSD-WILSON NEW ES # 1
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL #1
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL #1 (PROP)
Alias Type: Alternate Name
Alias Name: WILSON NEW ELEMENTARY SCHOOL NO. 1
Alias Type: Alternate Name
Alias Name: 304315
Alias Type: Project Code (Site Code)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILSON NEW ELEMENTARY SCHOOL NO. 1 (Continued)

S105628636

Alias Name: 19880033
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/13/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/14/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

256
SE
1/2-1
0.732 mi.
3866 ft.

EAST LOS ANGELES HIGH SCHOOL NO. 1
EAST 1ST STREET/NORTH MISSION ROAD
LOS ANGELES, CA 90033

ENVIROSTOR **S107736249**
SCH **N/A**

Relative:
Lower

ENVIROSTOR:

Actual:
264 ft.

Facility ID: 60000006
 Status: Certified
 Status Date: 03/29/2007
 Site Code: 304416
 Site Type: School Cleanup
 Site Type Detailed: School
 Acres: 7
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Javier Hinojosa
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 53
 Senate: 24
 Special Program: EPA - Target Site Investigation
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 34.04867
 Longitude: -118.2084
 APN: 5173-030-001, 5173-030-002, 5173-030-003, 5173-030-004, 5173-030-005,
 5173-030-006, 5173-030-007, 5173-030-008, 5173-030-010, 5173-030-011,
 5173-030-013, 5173-030-016
 Past Use: * RETIAL - MISC.
 Potential COC: Antimony and compounds Pyrene Fluoranthene Anthracene Zinc *
 phenanthrene Lead DDT Beryllium and compounds Ethylbenzene Thallium
 and compounds Molybdenum Dieldrin Chlordane * benzo (ghi) perylene
 Benzene Copper and compounds DDE
 Confirmed COC: NONE SPECIFIED
 Potential Description: SOIL
 Alias Name: LAUSD-EAST LOS ANGELES HIGH SCHOOL NO 1
 Alias Type: Alternate Name
 Alias Name: LAUSD-PRPSD EAST LOS ANGELES HI SCL NO.1
 Alias Type: Alternate Name
 Alias Name: 5173-030-001
 Alias Type: APN
 Alias Name: 5173-030-002
 Alias Type: APN
 Alias Name: 5173-030-003
 Alias Type: APN
 Alias Name: 5173-030-004
 Alias Type: APN
 Alias Name: 5173-030-005
 Alias Type: APN
 Alias Name: 5173-030-006
 Alias Type: APN
 Alias Name: 5173-030-007
 Alias Type: APN
 Alias Name: 5173-030-008
 Alias Type: APN
 Alias Name: 5173-030-010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Alias Type: APN
Alias Name: 5173-030-011
Alias Type: APN
Alias Name: 5173-030-013
Alias Type: APN
Alias Name: 5173-030-016
Alias Type: APN
Alias Name: 110033618690
Alias Type: EPA (FRS #)
Alias Name: 304416
Alias Type: Project Code (Site Code)
Alias Name: 304416
Alias Type: Project Code (Site Code)
Alias Name: 60000006
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/28/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/03/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/29/2007
Comments: Issued Certification of Removal Action Form.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# 06SM2570 and 09SM2649.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/23/2012
Comments: 2nd Collection Letter for Invoices 06SM2570 and 09SM2649.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/04/2006
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/29/2004
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2004
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/25/2004
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2003
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/01/2005
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/10/2006
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Completed Date: 11/03/2005
Comments: Approved with minor comments. Limited soil removal(1cy) conducted - high As.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/27/2006
Comments: On May 11, 2006 DTSC concurred and approved the SSI Report informally via electronic mail. DTSC issued the formal SSI approval letter on August 16, 2006.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2006
Comments: Complete. One additional RACR necessary for LBP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/07/2006
Comments: Approved RACR Report for lead-based paint in Areas 1 and 2.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000006
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304416
Assembly: 53
Senate: 24
Special Program Status: EPA - Target Site Investigation
Status: Certified
Status Date: 03/29/2007
Restricted Use: NO
Funding: School District
Latitude: 34.04867

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Longitude: -118.2084
APN: 5173-030-001, 5173-030-002, 5173-030-003, 5173-030-004, 5173-030-005, 5173-030-006, 5173-030-007, 5173-030-008, 5173-030-010, 5173-030-011, 5173-030-013, 5173-030-016
Past Use: * RETIAL - MISC.
Potential COC: Antimony and compounds, Antimony and compounds, Pyrene, Fluoranthene, Anthracene, Zinc, * phenanthrene, Lead, DDT, Beryllium and compounds, Ethylbenzene, Thallium and compounds, Molybdenum, Dieldrin, Chlordane, * benzo (ghi) perylene, Benzene, Copper and compounds, DDE
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LAUSD-EAST LOS ANGELES HIGH SCHOOL NO 1
Alias Type: Alternate Name
Alias Name: LAUSD-PRPSD EAST LOS ANGELES HI SCL NO.1
Alias Type: Alternate Name
Alias Name: 5173-030-001
Alias Type: APN
Alias Name: 5173-030-002
Alias Type: APN
Alias Name: 5173-030-003
Alias Type: APN
Alias Name: 5173-030-004
Alias Type: APN
Alias Name: 5173-030-005
Alias Type: APN
Alias Name: 5173-030-006
Alias Type: APN
Alias Name: 5173-030-007
Alias Type: APN
Alias Name: 5173-030-008
Alias Type: APN
Alias Name: 5173-030-010
Alias Type: APN
Alias Name: 5173-030-011
Alias Type: APN
Alias Name: 5173-030-013
Alias Type: APN
Alias Name: 5173-030-016
Alias Type: APN
Alias Name: 110033618690
Alias Type: EPA (FRS #)
Alias Name: 304416
Alias Type: Project Code (Site Code)
Alias Name: 304416
Alias Type: Project Code (Site Code)
Alias Name: 60000006
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/28/2003
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 03/03/2004

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Certification

Completed Date: 03/29/2007

Comments: Issued Certification of Removal Action Form.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Letter - Demand

Completed Date: 02/16/2012

Comments: First Collection Letter Inv# 06SM2570 and 09SM2649.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Letter - Demand

Completed Date: 03/23/2012

Comments: 2nd Collection Letter for Invoices 06SM2570 and 09SM2649.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Environmental Oversight Agreement

Completed Date: 02/10/2000

Comments: Not reported

Completed Area Name: Area 2

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Notice of Exemption

Completed Date: 01/04/2006

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 02/10/2005

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 01/27/2004

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Inspections/Visit (Non LUR)

Completed Date: 01/29/2004

Comments: Not reported

Completed Area Name: Area 2

Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 06/30/2004

Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/25/2004
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2003
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/01/2005
Comments: Not reported

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/10/2006
Comments: Not reported

Completed Area Name: Area 1
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/03/2005
Comments: Approved with minor comments. Limited soil removal(1cy) conducted - high As.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/27/2006
Comments: On May 11, 2006 DTSC concurred and approved the SSI Report informally via electronic mail. DTSC issued the formal SSI approval letter on August 16, 2006.

Completed Area Name: Area 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2006
Comments: Complete. One additional RACR necessary for LBP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/07/2006
Comments: Approved RACR Report for lead-based paint in Areas 1 and 2.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued)

S107736249

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

257
NNW
1/2-1
0.773 mi.
4084 ft.

NAVAL RESERVE ARMORY
CHAVEZ RAVINE RD, CA

ENVIROSTOR S107736852
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
394 ft.

Facility ID: 80000854
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.06861
Longitude: -118.2416
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F997500
Alias Type: Federal Facility ID
Alias Name: J09CA7152
Alias Type: INPR
Alias Name: 80000854
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/28/1997
Comments: Not reported

Future Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NAVAL RESERVE ARMORY (Continued)

S107736852

Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**BD258
 NNW
 1/2-1
 0.792 mi.
 4182 ft.**

**US MARINE CORPS RESERVE CENTER
 1700 STADIUM WAY
 LOS ANGELES, CA 90012
 Site 1 of 2 in cluster BD**

**LUST
 HIST Cal-Sites
 SWEEPS UST
 CA FID UST**

**S101584386
 N/A**

**Relative:
 Higher**

LUST REG 4:

**Actual:
 385 ft.**

Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: 1033
 Status: Not reported
 Substance: Not reported
 Substance Quantity: Not reported
 Local Case No: 300784
 Case Type: Not reported
 Abatement Method Used at the Site: Not reported
 Global ID: T0603714859
 W Global ID: Not reported
 Staff: GJH
 Local Agency: Not reported
 Cross Street: Not reported
 Enforcement Type: None Taken
 Date Leak Discovered: Not reported
 Date Leak First Reported: Not reported
 Date Leak Record Entered: Not reported
 Date Confirmation Began: Not reported
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: Not reported
 Date the Case was Closed: Not reported
 How Leak Discovered: Not reported
 How Leak Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Operator: Not reported
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): Not reported
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US MARINE CORPS RESERVE CENTER (Continued)

S101584386

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: Monica Ryan
RP Address: Not reported
Program: DOD
Lat/Long: Not reported
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Calsite:

Region: GLENDALE
Facility ID: 19970021
Facility Type: CLOSE
Type: CLOSED MILITARY BASE
Branch: SO
Branch Name: OMF-SOUTHERN CALIF
File Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
State Senate District: 11231999
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: APEDDADA
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 45
State Senate District Code: 21
Facility ID: 19970021
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: STE1
Proposed Budget: 0
AWP Completion Date: 01312007
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US MARINE CORPS RESERVE CENTER (Continued)

S101584386

Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19970021
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: STE1
Proposed Budget: 0
AWP Completion Date: 08312004
Revised Due Date: Not reported
Comments Date: 01182005
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19970021
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: STE1
Proposed Budget: 0
AWP Completion Date: 01312008
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US MARINE CORPS RESERVE CENTER (Continued)

S101584386

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 1700 STADIUM WAY
Alternate City,St,Zip: LOS ANGELES, CA 90012
Background Info: The Naval and Marine Corps Reserve Center, Los Angeles (NMCRC-LA) consists of approximately 6 acres of land, approximately 1 mile northeast of downtown Los Angeles. This site is a closed reserve center where Naval or Marine Corps activities are no longer conducted. NMCRC-LA was constructed from 1938 to 1940 by the Works Progress Administration and was commissioned in 1940 to provide administrative, training, and logistics support to reserve units. The facility has one Installation Restoration site, identified as Site 1, the former Service Station and Vehicle Lube Rack. The former service Station was built in 1943 and was used for fueling vehicles on site. The aboveground portion of the station has been removed. Adjacent to the former Service Station, the Vehicle Lube Rack was used for vehicle maintenance and drained directly to a waste of oil underground storage tank(UST). Between 1987 to 1989, hazardous substances (including used oil, solvents, hydraulic fluid, and other new and used vehicle maintenance products) were stored in 55-gallon drums on the Vehicle Lube Rack. In November 1994, the waste oil UST was removed in 1994 under supervision of the Los Angeles Fire Department. Soil with detected levels of total recoverable petroleum hydrocarbons was excavated and disposed off site. In 1995, an Environmental Baseline Study (EBS) was conducted. The EBS identified the Vehicle Lube Rack and the former Service Station gasoline UST as areas requiring further investigation. In 1996, a subsurface soil investigation conducted for Site 1 indicated the presence of gasoline-range hydrocarbons, benzene, toluene, ethylbenzene, total xylenes, and 1,2-dichloroethane.
Comments Date: 01182005
Comments: The SI included Geophysical survey; soil sampling and analysis;
Comments Date: 01182005
Comments: groundwater sampling and analysis; assessing the nature and extent
Comments Date: 01182005
Comments: of contamination; assessing the fate and transport of contaminants
Comments Date: 01182005
Comments: and assessing potential risk to human health. Based on the results,
Comments Date: 01182005
Comments: it is recommended that the site no longer considered a CE
Comments Date: 01182005
Comments: RCLA IR site, and should fall under State of California UST program.
Comments Date: 01182005
Comments: DTSC concurs with this recommendation.
ID Name: Not reported
ID Value: Not reported
Alternate Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alternate Name: LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alternate Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alternate Name: Not reported
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

US MARINE CORPS RESERVE CENTER (Continued)

S101584386

SWEEPS UST:

Status: Active
 Comp Number: 4071
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 09-21-93
 Action Date: 09-21-93
 Created Date: 02-29-88
 Owner Tank Id: Not reported
 SWRCB Tank Id: Not reported
 Tank Status: Not reported
 Capacity: Not reported
 Active Date: Not reported
 Tank Use: Not reported
 STG: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19010990
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2130000000
 Mail To: Not reported
 Mailing Address: 1700 STADIUM WAY
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900120000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

BD259 **LOS ANGELES NAVAL & MARINE CORPS RES.CEN**
NNW **1700 STADIUM WAY**
1/2-1 **LOS ANGELES, CA 90012**
0.792 mi.
4182 ft. **Site 2 of 2 in cluster BD**

RESPONSE **S102815066**
ENVIROSTOR **N/A**
SLIC
DEED
MCS
HAZNET
HIST CORTESE

Relative:
Higher

Actual:
385 ft.

RESPONSE:

Facility ID: 19970021
 Site Type: State Response
 Site Type Detail: Closed Base
 Acres: 6
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 4 - Los Angeles
 Lead Agency Description: RWQCB 4 - Los Angeles
 Project Manager: Anantaramam Peddada
 Supervisor: Robert Senga
 Division Branch: Cleanup Cypress
 Site Code: 300784

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

Site Mgmt. Req.: NONE SPECIFIED
Assembly: 51
Senate: 24
Special Program Status: Navy
Status: Active
Status Date: 11/23/1999
Restricted Use: NO
Funding: * Defense Environmental Restoration Program (DERP)
Latitude: 34.06903
Longitude: -118.2421
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING
Potential COC : * Asbestos and Naturally Occurring Asbestos (NOA Lead TPH-diesel TPH-gas
Confirmed COC: Lead TPH-diesel TPH-gas
Potential Description: OTH, SOIL
Alias Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alias Type: Alternate Name
Alias Name: 110033608120
Alias Type: EPA (FRS #)
Alias Name: T0603714859
Alias Type: GeoTracker Global ID
Alias Name: 300784
Alias Type: Project Code (Site Code)
Alias Name: 19970021
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/18/2005
Comments: The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Plan
Completed Date: 08/12/2010
Comments: Report is complete. Navy is doing the fieldwork

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 07/05/2011
Comments: Document complete

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

Completed Document Type: Monitoring Plan
Completed Date: 05/31/2012
Comments: Completed

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 03/22/2013
Comments: NO official letter is required. Water Board is in charge.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/20/2013
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/15/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 12/16/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 09/22/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

ENVIROSTOR:

Facility ID: 19970021
Status: Active
Status Date: 11/23/1999
Site Code: 300784
Site Type: State Response
Site Type Detailed: Closed Base
Acres: 6
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: Anantaramam Peddada
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 51
Senate: 24
Special Program: Navy
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: * Defense Environmental Restoration Program (DERP)
Latitude: 34.06903
Longitude: -118.2421
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING
Potential COC: * Asbestos and Naturally Occurring Asbestos (NOA Lead TPH-diesel TPH-gas
Confirmed COC: Lead TPH-diesel TPH-gas
Potential Description: OTH, SOIL
Alias Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alias Type: Alternate Name
Alias Name: 110033608120
Alias Type: EPA (FRS #)
Alias Name: T0603714859
Alias Type: GeoTracker Global ID
Alias Name: 300784
Alias Type: Project Code (Site Code)
Alias Name: 19970021
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/18/2005
Comments: The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Plan
Completed Date: 08/12/2010
Comments: Report is complete. Navy is doing the fieldwork

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 07/05/2011
Comments: Document complete

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 05/31/2012
Comments: Completed

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 03/22/2013
Comments: NO official letter is required. Water Board is in charge.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/20/2013
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/15/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 12/16/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 09/22/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 05/04/1998
Global Id: T0603700529
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.0687922
Longitude: -118.2434812
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120334
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 1033
Substance: Not reported
Staff: GJH

DEED:

Envirostor ID: T0603714859
Area: Not reported
Sub Area: Not reported
Site Type: DOD
Status: OPEN - VERIFICATION MONITORING
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 05/08/2015

MCS:

Global Id: T0603714859
Latitude: 34.06878
Longitude: -118.2415
Case Type: Military Cleanup Site
Status: Open - Verification Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

Status Date: 10/20/2009
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Caseworker: ACJ
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 1033
LOC Case Number: 300784
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Soil
EDR Link ID: T0603714859
Potential Contaminants of Concern: Benzene, Gasoline
Site History: The Installation Restoration (IR) Site 1 at Naval and Marine Corps Reserve Center - Los Angeles (NMCRC-LA) consists of a former service station and vehicle lube rack area. The site located on approximately six acres of land, about 1 mile northeast of downtown Los Angeles, and is currently used by the City of Los Angeles Fire Department for training purpose. The former gasoline UST and the presence of several drums of unknown waste at the lube rack are potential historical sources of contamination at the site. Contaminated subsurface soils and groundwater below the area of concern are potential current sources of contamination. Type of contaminants identified in soil and groundwater consisted primarily of petroleum hydrocarbons in gasoline and diesel ranges. Analytical results from site investigations identified subsurface soils in the 15 to 25 feet below ground surface (bgs) depths as the soil strata of greatest contamination. Depth to water is approximately 30 feet bgs. The risk to human health from exposure to soil and groundwater is below the level of concern. Currently there is no drinking water wells on the property or within 1-mile radius in the area. The nearest well is located about 3 miles north of the site, which is upgradient to the source area. As of April 2007, groundwater data collected from the site show steady decrease trends and the plume has contained on site. Of the volatile organic compounds detected in groundwater, only 1,2-dichloroethane exceeded the screening level of 0.5 micrograms per liter (ug/l). Benzene concentration has decreased close to its cleanup goal of 1 ug/l.

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

envid: S102815066
Year: 2013
GEPaid: CAC002723379
Contact: EMMANUEL AMESI
Telephone: 2139783798
Mailing Name: Not reported
Mailing Address: 111 E FIRST ST RM 600
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued)

S102815066

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120334

260
WNW
1/2-1
0.797 mi.
4207 ft.

VISTA HERMOSA
1101 W. 1ST STREET
LOS ANGELES, CA 90012

ENVIROSTOR S107737580
SCH N/A

Relative:
Higher

ENVIROSTOR:
Facility ID: 60000001
Status: Certified / Operation & Maintenance
Status Date: 10/26/2010
Site Code: 304420
Site Type: School Cleanup
Site Type Detailed: School
Acres: 35
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05937
Longitude: -118.2542
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM, SCHOOL - OTHER
Potential COC: Benzene Methane Hydrogen sulfide TPH-diesel Benzo[a]pyrene
Confirmed COC: Methane Hydrogen sulfide
Potential Description: SV, IA
Alias Name: Belmont Learning Center
Alias Type: Alternate Name
Alias Name: Belmont Learning Complex
Alias Type: Alternate Name
Alias Name: Central Los Angeles High School #11
Alias Type: Alternate Name
Alias Name: E.R. Roybal Learning Center
Alias Type: Alternate Name
Alias Name: LAUSD-VISTA HERMOSA
Alias Type: Alternate Name
Alias Name: Vista Hermosa
Alias Type: Alternate Name
Alias Name: Vista Hermosa Park
Alias Type: Alternate Name
Alias Name: 110033614337
Alias Type: EPA (FRS #)
Alias Name: 300728

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Alias Type: Project Code (Site Code)
Alias Name: 304420
Alias Type: Project Code (Site Code)
Alias Name: 19820013
Alias Type: Envirostor ID Number
Alias Name: 60000001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 07/08/2008
Comments: DTSC executed an O&M agreement for ongoing monitoring at the Vista Hermosa and Roybal site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/22/1999
Comments: Rec'd signed agreement and sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/31/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 04/21/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Date: 05/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/26/2010
Comments: DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and maintenance is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/10/2004
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/16/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/01/2006
Comments: First Quarter 2005 Groundwater monitoring report for OU2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Date: 02/07/2006
Comments: Remedial Design Document was approved pending minor revisions in accordance with the comments provided in the DTSC approval letter. Construction of school scheduled to begin in late Feb. 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/29/2003
Comments: New RI/FS for Vista Hermosa was submitted to DTSC on 9/29/03.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2002
Comments: Fieldwork on 8/22/02

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 05/10/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/06/2008
Comments: Vista Hermosa Park RACR approved on 5/6/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/18/2008
Comments: Proposed Central Los Angeles HS #11 RACR approved on 7/18/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 07/18/2008
Comments: site approved for occupany on 7/17/2008

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Date: 09/21/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/17/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/08/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/12/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/23/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/11/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/04/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/29/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/31/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Document Type: Operations and Maintenance Report
Completed Date: 11/21/2008
Comments: Historical O&M report uplodaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/19/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/26/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/27/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/24/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/26/2011
Comments: DTSC approved the methane mitigation system design at the new Emergency Operation Center building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/10/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed during future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/16/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 02/25/2014
Comments: DTSC approved the report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/27/2012
Comments: DTSC approved the report provide comments are addressed in future fieldwork/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2013
Comments: DTSC approval of baseline testing for EOC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 07/15/2014
Comments: DTSC approved the report provided DTSC comments are addressed in the field/future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/16/2014
Comments: DTSC approved the workplan provided reporting requirements are incorporated into the site monitoring plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/18/2014
Comments: DTSC approved the revised oil well abandonment workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/29/2015
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/06/2015
Comments: Concurred with the comments.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/26/2015
Comments: DTSC submitted comments electronically on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/04/2015
Comments: Concurred with the Report with a comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/04/2016
Comments: Concurred with the Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/06/2003
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2017
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 02/13/2017
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA HERMOSA (Continued)

S107737580

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 05/16/2017
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000001
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 35
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304420
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 10/26/2010
Restricted Use: NO
Funding: School District
Latitude: 34.05937
Longitude: -118.2542
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM, SCHOOL
- OTHER
Potential COC: Benzene, Methane, Hydrogen sulfide, TPH-diesel, Benzo[a]pyrene

BE261 **LA DEPARTMENT WATER & POWER**
NE **1630 N MAIN ST STE 16**
1/2-1 **LOS ANGELES, CA 90012**
0.812 mi.
4288 ft. **Site 1 of 4 in cluster BE**

ENVIROSTOR **S107144525**
N/A

Relative:
Higher

ENVIROSTOR:
Facility ID: 80001337
Status: Active
Status Date: 06/15/2009
Site Code: 530028
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Not reported

Actual:
301 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA DEPARTMENT WATER & POWER (Continued)

S107144525

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06688
Longitude: -118.2275
APN: NONE SPECIFIED
Past Use: EQUIPMENT/INSTRUMENT REPAIR, FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURED GAS PLANT, TRANSFORMER REPAIR, UTILITY - ELECTRIC, VEHICLE MAINTENANCE
Potential COC: Arsenic Barium and compounds Cadmium and compounds Chromium VI Cobalt Lead Mercury (elemental Nickel Selenium Titanium Vanadium and compounds Polychlorinated biphenyls (PCBs Asbestos Containing Materials (ACM Tetrachloroethylene (PCE
Confirmed COC: Arsenic Titanium Tetrachloroethylene (PCE Barium and compounds Cadmium and compounds Chromium VI Selenium Nickel Vanadium and compounds Asbestos Containing Materials (ACM Polychlorinated biphenyls (PCBs Cobalt Lead Mercury (elemental
Potential Description: OTH, SED, SOIL, SV
Alias Name: LA DWP
Alias Type: Alternate Name
Alias Name: LADWP MAIN ST
Alias Type: Alternate Name
Alias Name: CAD000633305
Alias Type: EPA Identification Number
Alias Name: 300425
Alias Type: Project Code (Site Code)
Alias Name: 530028
Alias Type: Project Code (Site Code)
Alias Name: 80001337
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: OU-2
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/25/2013
Comments: GW Wells evaluated for monitoring.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/30/2014
Comments: Field work completed.
Completed Area Name: OU-2
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/01/2016
Comments: Work Plan approved.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: completed
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA DEPARTMENT WATER & POWER (Continued)

S107144525

Completed Document Type: Human Exposure Controlled
Completed Date: 09/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: Not reported

Completed Area Name: Building 11
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/28/2010
Comments: RFI Workplan approved.

Completed Area Name: SWMU 1 - Former Hazardous Waste Storage Building
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/10/2009
Comments: Final LADWP Workplan for HWSA (SWMU #1) Investigation Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/22/1993
Comments: Not reported

Completed Area Name: SWMU 1 - Former Hazardous Waste Storage Building
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 07/01/2013
Comments: LADWP has submitted RI Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/01/2016
Comments: RI Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 02/22/2013
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA DEPARTMENT WATER & POWER (Continued)

S107144525

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/27/2009
Comments: Letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 04/22/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/28/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 07/12/1993
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed
Future Due Date: 2020

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Action Completion Determination
Future Due Date: 2018

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2019

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: RFI Workplan
Future Due Date: 2017

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2018

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Measures Study Report
Future Due Date: 2019

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

BE262 **MAIN STREET CENTER**
NE **1630 NORTH MAIN STREET**
1/2-1 **LOS ANGELES, CA 90012**
0.812 mi.
4288 ft. **Site 2 of 4 in cluster BE**

SEMS-ARCHIVE **1000102032**
CORRACTS **CAD000633305**
RCRA-TSDF
RCRA-LQG
US FIN ASSUR
2020 COR ACTION
ICE
HWP

Relative:
Higher

Actual:
301 ft.

SEMS-ARCHIVE:
 Site ID: 904430
 EPA ID: CAD000633305
 Federal Facility: N
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0904430
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289649.00000
 Person ID: 13003854.00000

Contact Sequence ID: 13295244.00000
 Person ID: 13003858.00000

Contact Sequence ID: 13301102.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
 Date Started: / /
 Date Completed: 04/02/92
 Priority Level: Not reported

Action: ARCHIVE SITE
 Date Started: / /
 Date Completed: 05/28/93
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
 Date Started: / /
 Date Completed: 05/28/93
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: CAD000633305
 EPA Region: 9
 Area Name: ENTIRE FACILITY
 Actual Date: 20130905
 Action: CA150 - RFI Workplan Approved
 NAICS Code(s): 221121
 Electric Bulk Power Transmission and Control

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Original schedule date: 20130912
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930712
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930712
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20120912
Action: CA190 - RFI Report Received

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control

Original schedule date: 20120930
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130513
Action: CA120 - RFI Workplan Modification Requested By Agency

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control

Original schedule date: 20130523
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130513
Action: CA140 - RFI Workplan Notice Of Deficiency Issued

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control

Original schedule date: 20130523
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930422
Action: CA049PA
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930422
Action: CA050 - RFA Completed
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130222
Action: CA200 - RFI Approved
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20130423
Action: CA110 - RFI Workplan Received
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: 20140130
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20120927
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: 20121027
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20120927
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: 20121027
Schedule end date: Not reported

EPA ID: CAD000633305
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20140130
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 221121
Electric Bulk Power Transmission and Control
Original schedule date: 20131104
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/29/2016
Facility name: MAIN STREET CENTER
Facility address: 1630 NORTH MAIN STREET
LOS ANGELES, CA 90012

EPA ID: CAD000633305
Mailing address: NORTH HOPE STREET
RM 1050
LOS ANGELES, CA 90012

Contact: MARK SEDLACEK
Contact address: NORTH HOPE STREET RM 1050
LOS ANGELES, CA 90012

Contact country: US
Contact telephone: (213) 367-0436
Contact email: MARK.SEDLACEK@LADWP.COM
EPA Region: 09
Land type: Municipal
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LOS ANGELES DEPT. OF WATER AND POWER
Owner/operator address: NORTH HOPE STREET RM 1050
LOS ANGELES, CA 90012

Owner/operator country: US
Owner/operator telephone: (213) 367-0436
Legal status: Municipal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Owner/Operator Type: Owner
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Owner/operator name: LOS ANGELES DEPT. OF WATER AND POWER
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: Yes

. Waste code: 123
. Waste name: 123

. Waste code: 131
. Waste name: 131

. Waste code: 132
. Waste name: 132

. Waste code: 134
. Waste name: 134

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 241
. Waste name: 241

. Waste code: 331
. Waste name: 331

. Waste code: 342
. Waste name: 342

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: 551
- . Waste name: 551

- . Waste code: 791
- . Waste name: 791

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D022
- . Waste name: CHLOROFORM

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Historical Generators:

Date form received by agency: 03/01/2014

Site name: MAIN STREET CENTER
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 132
. Waste name: 132

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: 725
. Waste name: 725

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste name: CHLOROFORM
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/28/2012

Site name: MAIN STREET CENTER
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: 122
- . Waste name: 122

- . Waste code: 134
- . Waste name: 134

- . Waste code: 181
- . Waste name: 181

- . Waste code: 212
- . Waste name: 212

- . Waste code: 331
- . Waste name: 331

- . Waste code: 352
- . Waste name: 352

- . Waste code: 551
- . Waste name: 551

- . Waste code: 791
- . Waste name: 791

- . Waste code: 792
- . Waste name: 792

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D018
- . Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- Date form received by agency: 06/09/2010
- Site name: MAIN STREET CENTER
- Classification: Large Quantity Generator

- . Waste code: 122
- . Waste name: 122

- . Waste code: 134
- . Waste name: 134

- . Waste code: 181
- . Waste name: 181

- . Waste code: 212
- . Waste name: 212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: 331
- . Waste name: 331

- . Waste code: 352
- . Waste name: 352

- . Waste code: 551
- . Waste name: 551

- . Waste code: 791
- . Waste name: 791

- . Waste code: 792
- . Waste name: 792

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/28/2008

Site name: LADWP MAIN STREET CENTER

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: D011

. Waste name: SILVER

. Waste code: D018

. Waste name: BENZENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D038

. Waste name: PYRIDINE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/28/2006
Site name: LADWP MAIN STREET CENTER
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: 181
- . Waste name: 181

- . Waste code: 212
- . Waste name: 212

- . Waste code: 213
- . Waste name: 213

- . Waste code: 331
- . Waste name: 331

- . Waste code: 352
- . Waste name: 352

- . Waste code: 551
- . Waste name: 551

- . Waste code: 791
- . Waste name: 791

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/28/2004

Site name: MAIN STREET CENTER
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/27/2002

Site name: MAIN STREET CENTER - LADWP

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

- . Waste code: U188
- . Waste name: PHENOL

Date form received by agency: 10/12/2000
Site name: MAIN STREET CENTER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: MAIN STREET CENTER
Classification: Large Quantity Generator

Date form received by agency: 01/29/1998
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Date form received by agency: 06/04/1996
Site name: DEPT OF WATER POWER CITY OF LA
Classification: Large Quantity Generator

Date form received by agency: 03/14/1994
Site name: LOS ANGELES DEPARTMENT OF WATER & POWER
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Site name: GENERAL SERVICES HEADQUARTERS LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 04/03/1991
Site name: LA DEPT OF WATER & POWER-GENERAL SERVICE
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: LOS ANGELES DEPT OF WATER & POWER
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 22436

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 7070

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BE WASTE GUNPOWDER.

Amount (Lbs): 2685

Waste code: D005

Map ID
Direction
Distance
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Waste name: BARIUM
Amount (Lbs): 2685

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 7985

Waste code: D008
Waste name: LEAD
Amount (Lbs): 3565

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 91

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 2685

Waste code: D011
Waste name: SILVER
Amount (Lbs): 130

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 3750

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 11356

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 11356

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 11356

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 16661

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

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CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 13816

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 12106

Corrective Action Summary:

Event date: 04/22/1993
Event: CA049PA

Event date: 04/22/1993
Event: RFA Completed

Event date: 07/12/1993
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 07/12/1993
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 09/12/2012
Event: RFI Report Received

Event date: 09/27/2012
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/27/2012
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

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changes at the facility.

Event date: 02/22/2013
Event: RFI Approved

Event date: 04/23/2013
Event: RFI Workplan Received

Event date: 05/13/2013
Event: RFI Workplan Modification Requested By Agency

Event date: 05/13/2013
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 09/05/2013
Event: RFI Workplan Approved

Event date: 01/30/2014
Event: RFI Supplemental Implementation Begun

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 09/21/2015
Date achieved compliance: 09/21/2015
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2015
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 09/21/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2015
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Releases from SWMUs
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2015
Enf. disposition status: Not reported

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Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/03/2016
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 51160
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/03/2016
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 51160
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Releases from SWMUs
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/03/2016
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 51160
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2015
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 09/17/2015
Date achieved compliance: 12/28/2015
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2015
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 06/03/2014
Date achieved compliance: 07/01/2014
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/03/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 06/03/2014
Date achieved compliance: 06/03/2014
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/03/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 11/01/2011
Date achieved compliance: 03/30/2012
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 03/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

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Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 11/01/2011
Date achieved compliance: 03/30/2012
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 03/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/13/2008
Date achieved compliance: 12/16/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/23/2007
Date achieved compliance: 12/16/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/01/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/08/2007
Date achieved compliance: 03/20/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

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Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/30/2006
Date achieved compliance: 06/06/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/30/2006
Date achieved compliance: 12/16/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/07/2005
Date achieved compliance: 12/13/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/20/2004
Date achieved compliance: 07/14/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 04/20/2004
Date achieved compliance: 07/14/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - Manifest and Recordkeeping
Date violation determined: 04/20/2004
Date achieved compliance: 07/14/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/20/2004
Date achieved compliance: 07/14/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/14/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 20020
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 01/29/2003
Date achieved compliance: 02/04/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

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Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 01/29/2003
Date achieved compliance: 02/04/2003
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 12/08/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 114807
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 01/29/2003
Date achieved compliance: 02/04/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 53655
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

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Area of violation: Generators - Pre-transport
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management

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Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 02/15/2002
Date achieved compliance: 03/19/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 53655
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 12/18/2000
Date achieved compliance: 11/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 12/18/2000
Date achieved compliance: 02/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 12/18/2000

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Date achieved compliance: 11/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 12/18/2000
Date achieved compliance: 02/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 12/18/2000
Date achieved compliance: 11/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 12/18/2000
Date achieved compliance: 11/02/2001
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/07/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 72000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/18/2000
Date achieved compliance: 02/02/2001

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Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 12/18/2000
Date achieved compliance: 02/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date violation determined: 12/18/2000
Date achieved compliance: 11/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 12/18/2000
Date achieved compliance: 02/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/04/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date violation determined: 12/18/2000
Date achieved compliance: 11/02/2001
Violation lead agency: State

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Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 11/07/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 72000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/22/2000
Date achieved compliance: 04/11/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/06/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/22/2000
Date achieved compliance: 04/11/2001
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/11/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 33000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/22/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/06/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 02/22/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
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MAIN STREET CENTER (Continued)

1000102032

Enforcement action date: 03/06/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/22/2000
Date achieved compliance: 04/11/2001
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/05/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 11/04/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 22400
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/01/1998

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 22400
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 22400
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 22400
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 10/01/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1998
Date achieved compliance: 11/04/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 22400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 27400
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 27400
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 22400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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EDR ID Number
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MAIN STREET CENTER (Continued)

1000102032

Proposed penalty amount: Not reported
Final penalty amount: 27400
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1998
Date achieved compliance: 05/11/1999
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/11/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 22400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/30/1996
Date achieved compliance: 11/22/1996
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/22/1996
Date achieved compliance: 06/22/1996
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

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MAIN STREET CENTER (Continued)

1000102032

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/07/1994
Date achieved compliance: 10/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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MAIN STREET CENTER (Continued)

1000102032

Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
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MAIN STREET CENTER (Continued)

1000102032

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/07/1994
Date achieved compliance: 03/16/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/13/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 02/27/1986
Date achieved compliance: 04/25/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/14/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 12/28/2015
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 09/21/2015
Evaluation lead agency: State

Evaluation date: 09/21/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 12/28/2015
Evaluation lead agency: State

Evaluation date: 09/17/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Releases from SWMUs
Date achieved compliance: 12/28/2015
Evaluation lead agency: State

Evaluation date: 09/17/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/28/2015

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Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Evaluation lead agency: State

Evaluation date: 09/17/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 12/28/2015
Evaluation lead agency: State

Evaluation date: 09/17/2015
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/31/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 07/01/2014
Evaluation lead agency: State

Evaluation date: 06/03/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 06/03/2014
Evaluation lead agency: State

Evaluation date: 08/30/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/01/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 03/30/2012
Evaluation lead agency: EPA

Evaluation date: 11/01/2011

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MAIN STREET CENTER (Continued)

1000102032

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 03/30/2012
Evaluation lead agency: EPA

Evaluation date: 03/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/16/2008
Evaluation lead agency: State

Evaluation date: 04/23/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/16/2008
Evaluation lead agency: State

Evaluation date: 03/08/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/20/2007
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/30/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/16/2008
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/06/2007
Evaluation lead agency: State

Evaluation date: 05/24/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/14/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Evaluation lead agency: State

Evaluation date: 06/27/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/13/2005
Evaluation lead agency: State

Evaluation date: 04/23/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/20/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 07/14/2005
Evaluation lead agency: State

Evaluation date: 04/20/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 07/14/2005
Evaluation lead agency: State

Evaluation date: 04/20/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - Manifest and Recordkeeping
Date achieved compliance: 07/14/2005
Evaluation lead agency: State

Evaluation date: 04/20/2004
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/04/2003
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/29/2003

Map ID
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MAP FINDINGS

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EDR ID Number
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MAIN STREET CENTER (Continued)

1000102032

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/04/2003
Evaluation lead agency: State

Evaluation date: 01/29/2003
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/29/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 02/04/2003
Evaluation lead agency: State

Evaluation date: 02/27/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/19/2002
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 03/19/2002
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/19/2002
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/19/2002
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/19/2002
Evaluation lead agency: State

Evaluation date: 02/15/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 03/19/2002

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MAIN STREET CENTER (Continued)

1000102032

Evaluation lead agency: State

Evaluation date: 11/02/2001
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/02/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 11/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 11/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date achieved compliance: 11/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 02/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 11/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 02/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000

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EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 02/02/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/02/2001
Evaluation lead agency: State

Evaluation date: 02/22/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 02/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 02/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/2001
Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 05/11/1999
Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 05/11/1999
Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/04/1998
Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 05/11/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/04/1998
Evaluation lead agency: State

Evaluation date: 09/29/1998
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/22/1996
Evaluation lead agency: State

Evaluation date: 05/22/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/22/1996
Evaluation lead agency: State

Evaluation date: 03/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 03/16/1996
Evaluation lead agency: State

Evaluation date: 03/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/16/1996
Evaluation lead agency: State

Evaluation date: 03/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/19/1994
Evaluation lead agency: State

Evaluation date: 03/30/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/16/1996
Evaluation lead agency: State

Evaluation date: 06/18/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 04/25/1986
Evaluation lead agency: State

Evaluation date: 02/27/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US FIN ASSUR:

EPA ID: CAD000633305
Provider: U.S. BANK
EPA region: 9
County: Not reported
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 128686000
Cost estimate: 100337
Face value: 2110000
Effective date: 2008-09-22 00:00:00

EPA ID: CAD000633305
Provider: U.S. BANK
EPA region: 9
County: Not reported
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 128686000
Cost estimate: 2000000
Face value: 2110000
Effective date: 2008-09-22 00:00:00

2020 COR ACTION:

EPA ID: CAD000633305
Region: 9
Action: Not reported

ICE:

Envirostor ID: 3001650
EPA ID: CAD000633305
Site Type: INSPECTION
Facility Status: Pending

Enforcement:

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 10/03/2016

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 11/07/2001

Action Type: Enforcement Order Issued (210)
Action Date: 05/11/1999

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 12/08/2003

Action Type: Enforcement Order Issued (210)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Action Date: 10/05/2000

Action Type: Final Administrative Settlement (310)
Action Date: 04/11/2001

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 07/14/2005

Action Type: Final Administrative Settlement (310)
Action Date: 05/11/1999

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 01/28/2003

Inspection:

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/02/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/08/2007
Violation Class: Class 2
RTC Date: 03/20/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/14/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/30/2006
Violation Class: Class 2, Minor
RTC Date: 12/16/2008

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: Class 1, Class 2, Minor
RTC Date: 11/02/2001

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/13/2008
Violation Class: Minor
RTC Date: 12/16/2008

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/15/2002
Violation Class: Class 2, Minor
RTC Date: 03/19/2002

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Violation Class:	Class 1, Class 2, Minor
RTC Date:	04/11/2001
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/20/2004
Violation Class:	Class 1, Class 2
RTC Date:	07/14/2005
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	05/24/2006
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - * Non Major
Action Date:	09/29/1998
Violation Class:	Class 1, Class 2
RTC Date:	05/11/1999
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	04/23/2007
Violation Class:	Minor
RTC Date:	12/16/2008
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	03/25/2008
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	01/29/2003
Violation Class:	Class 1, Minor
RTC Date:	02/04/2003
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	06/26/2012
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	08/30/2012
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	06/03/2014
Violation Class:	Class 2
RTC Date:	07/01/2014
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	08/12/2014
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	08/31/2015
Violation Class:	No Violations
RTC Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 09/21/2015
Violation Class: Class 2, Minor
RTC Date: 12/28/2015

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/17/2015
Violation Class: Class 1, Class 2, Minor
RTC Date: 12/28/2015

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/27/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/27/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005
Violation Class: Class 2
RTC Date: 12/13/2005

HWP:

EPA Id: CAD000633305
Cleanup Status: UNDERGOING CLOSURE
Latitude: 34.06688
Longitude: -118.2275
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 300425, 530028
Assembly District: 51
Senate District: 24
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD000633305
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 11/29/1982

EPA Id: CAD000633305
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/21/1983

EPA Id: CAD000633305
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	05/06/1983
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	08/19/1988
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date:	02/19/1993
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	06/30/2000
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	12/30/1996
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	08/19/1983
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date:	06/09/2000
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	05/06/1983
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	08/19/1983
Closure:	
EPA Id:	CAD000633305
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	08/31/2000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MAIN STREET CENTER (Continued)

1000102032

EPA Id: CAD000633305
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1 (GPRA Unit)
 Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
 Actual Date: 11/09/2000

EPA Id: CAD000633305
 Facility Type: Historical - Non-Operating
 Unit Names: CONTAIN1 (GPRA Unit)
 Event Description: Closure - 2ND NOTICE OF DEFICIENCY ISSUED
 Actual Date: 11/22/2000

Alias:

EPA Id: CAD000633305
 Facility Type: Historical - Non-Operating
 Alias Type: Project Code (Site Code)
 Alias: 300425

EPA Id: CAD000633305
 Facility Type: Historical - Non-Operating
 Alias Type: Project Code (Site Code)
 Alias: 530028

**BE263
 NE
 1/2-1
 0.812 mi.
 4288 ft.**

**MAIN STREET OIL DEPOT
 1630 MAIN ST N
 LOS ANGELES, CA 90012
 Site 3 of 4 in cluster BE**

**ENVIROSTOR
 LUST
 VCP
 HIST CORTESE**

**S101297113
 N/A**

**Relative:
 Higher**

ENVIROSTOR:

Facility ID: 19490230
 Status: Inactive - Needs Evaluation
 Status Date: 07/25/2008
 Site Code: 300450
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 3
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Rita Kamat
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.06694
 Longitude: -118.2272
 APN: NONE SPECIFIED
 Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURED GAS PLANT
 Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS
 * OXYGENATED SOLVENTS * CONTAMINATED SOIL * UNSPECIFIED OIL
 CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED

**Actual:
 301 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

Confirmed COC: OIL * OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS * OTHER
Potential Description: INORGANIC SOLID WASTE * SULFUR SLUDGE Cyanide (free
OTH, SOIL
Alias Name: ECONOMIC GAS COMPANY
Alias Type: Alternate Name
Alias Name: LOS ANGELES DEPARTMENT OF WATER & POWER
Alias Type: Alternate Name
Alias Name: LOS ANGELES IV MGP
Alias Type: Alternate Name
Alias Name: LOS ANGELES MAIN STREET MGP
Alias Type: Alternate Name
Alias Name: LOS ANGELES TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: PEOPLE'S GAS & COKE COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIF GAS CO - LA MAIN ST
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS CO. - LA MAIN ST
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: ST. JOHNS STREET MGP
Alias Type: Alternate Name
Alias Name: 110000609155
Alias Type: EPA (FRS #)
Alias Name: 110033615666
Alias Type: EPA (FRS #)
Alias Name: T0603700511
Alias Type: GeoTracker Global ID
Alias Name: 300450
Alias Type: Project Code (Site Code)
Alias Name: 19490230
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/02/1995
Comments: The Department completed review of the PEA report. Based on the information provided in the PEA, the site does not constitute an immediate threat that would require an expedited response action. However, DTSC recommends further action, in that the current asphalt must be maintained and a deed restriction notification be placed on the site. DTSC considers the PEA complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1993
Comments: The Department received a notice of intent to initiate a PEA dated September 27, 1993. Manufactured Gas Plant (MGP) was operated at the site from approximately 1906 to 1919???. The MGP operations ceased at the site on 1919? when the Southern California Gas Company acquired the MGP properties. In 1922 Los Angeles City Water and Power acquired

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

the property and dismantled the gas plant. The hazardous wastes found at the former MGP sites includes PAHs, Cyanides, TPHs, BTEX, Sulphides/sulfates, and Metals. Due to the evidence of hazardous wastes in the other MGP sites, the Department recommends a PEA. The Department completed review of the sampling plan. RP is investigating the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 11/27/2004
Comments: DTSC recommended to revise the Sampling Plan and prepare Quality Assurance Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/25/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2015
Comments: This former MGP project was a very small portion of the bigger LADWP RCRA site. The Gas Co. completed investigation and sent a letter. VCA was terminated in 2008. DTSC staff are working on the LADWP RCRA site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Region: STATE
Global Id: T0603700511
Latitude: 34.0663792
Longitude: -118.2279897
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 01/21/1997
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Case Worker: Not reported
Local Agency: LOS ANGELES, CITY OF
RB Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

LOC Case Number: 19490230
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700511
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700511
Status: Open - Case Begin Date
Status Date: 01/03/1991

Global Id: T0603700511
Status: Open - Site Assessment
Status Date: 01/03/1991

Global Id: T0603700511
Status: Open - Site Assessment
Status Date: 07/06/1992

Global Id: T0603700511
Status: Open - Remediation
Status Date: 01/21/1997

Regulatory Activities:

Global Id: T0603700511
Action Type: Other
Date: 01/03/1991
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: Not reported
Status: Remedial action (cleanup) Underway
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: 900120125
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603700511
W Global ID: W0605100649
Staff: TOX

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/3/1991
Date Leak Record Entered: 2/19/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/1/1998
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 4835.9269762863619465894094528
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/3/1991
Pollution Characterization Began: 7/6/1992
Remediation Plan Submitted: Not reported
Remedial Action Underway: 1/21/1997
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DWP
RP Address: P.O. BOX 51111, LOS ANGELES, CA 90051-0100
Program: Not reported
Lat/Long: 34.0663792 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: 3/24/98 TRANSFERRED TO DTSC; 4/13/98 1ST QTR 98 GW MON & FP RECOVERY RPT

VCP:

Facility ID: 19490230
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

Project Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Site Code: 300450
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Needs Evaluation
Status Date: 07/25/2008
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.06694 / -118.2272
APN: NONE SPECIFIED
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURED GAS PLANT
Potential COC: 10003, 10009, 10064, 10067, 10097, 10196, 10198, 10199, 20009, 20011, 20027, 30160
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: ECONOMIC GAS COMPANY
Alias Type: Alternate Name
Alias Name: LOS ANGELES DEPARTMENT OF WATER & POWER
Alias Type: Alternate Name
Alias Name: LOS ANGELES IV MGP
Alias Type: Alternate Name
Alias Name: LOS ANGELES MAIN STREET MGP
Alias Type: Alternate Name
Alias Name: LOS ANGELES TOWNE GAS SITE
Alias Type: Alternate Name
Alias Name: PEOPLE'S GAS & COKE COMPANY
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIF GAS CO - LA MAIN ST
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS CO. - LA MAIN ST
Alias Type: Alternate Name
Alias Name: SOUTHERN CALIFORNIA GAS COMPANY
Alias Type: Alternate Name
Alias Name: ST. JOHNS STREET MGP
Alias Type: Alternate Name
Alias Name: 110000609155
Alias Type: EPA (FRS #)
Alias Name: 110033615666
Alias Type: EPA (FRS #)
Alias Name: T0603700511
Alias Type: GeoTracker Global ID
Alias Name: 300450
Alias Type: Project Code (Site Code)
Alias Name: 19490230
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/02/1995
Comments: The Department completed review of the PEA report. Based on the information provided in the PEA, the site does not constitute an

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

immediate threat that would require an expedited response action. However, DTSC recommends further action, in that the current asphalt must be maintained and a deed restriction notification be placed on the site. DTSC considers the PEA complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1993
Comments: The Department received a notice of intent to initiate a PEA dated September 27, 1993. Manufactured Gas Plant (MGP) was operated at the site from approximately 1906 to 1919???. The MGP operations ceased at the site on 1919? when the Southern California Gas Company acquired the MGP properties. In 1922 Los Angeles City Water and Power acquired the property and dismantled the gas plant. The hazardous wastes found at the former MGP sites includes PAHs, Cyanides, TPHs, BTEX, Sulphides/sulfates, and Metals. Due to the evidence of hazardous wastes in the other MGP sites, the Department recommends a PEA. The Department completed review of the sampling plan. RP is investigating the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 11/27/2004
Comments: DTSC recommended to revise the Sampling Plan and prepare Quality Assurance Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/25/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2015
Comments: This former MGP project was a very small portion of the bigger LADWP RCRA site. The Gas Co. completed investigation and sent a letter. VCA was terminated in 2008. DTSC staff are working on the LADWP RCRA site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/04/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MAIN STREET OIL DEPOT (Continued)

S101297113

Schedule Revised Date: Not reported

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 900120125

**BE264
 NE
 1/2-1
 0.812 mi.
 4288 ft.**

**SO CAL GAS/ LA MAIN ST MGP
 1630 NORTH MAIN STREET
 LOS ANGELES, CA 90012**

**EDR MGP 1008407702
 N/A**

Site 4 of 4 in cluster BE

**Relative:
 Higher**

Manufactured Gas Plants:

MGP operated at the site from approximately 1906 to 1919. The MGP operations ceased at the site in 1919 when the Southern California Gas Company acquired the MGP property. In 1922 the Los Angeles City Water and Power acquired the property and dismantled the gas plant.

**Actual:
 301 ft.**

**265
 NE
 1/2-1
 0.878 mi.
 4636 ft.**

**EMPIRE CHEMICAL COMPANY
 715 LAMAR STREET
 LOS ANGELES, CA 90031**

**ENVIROSTOR U001561274
 LUST N/A
 HIST UST
 EMI
 HIST CORTESE**

**Relative:
 Higher**

ENVIROSTOR:

Facility ID: 19281206
 Status: Refer: Other Agency
 Status Date: 04/15/1994
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: * Mmonroy
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 34.06432
 Longitude: -118.2238
 APN: 5410013002
 Past Use: NONE SPECIFIED
 Potential COC:

* HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * ORGANIC SOLIDS WITH HALOGENS * OTHER ORGANIC SOLIDS * Pesticides - Wastes From Production * CONTAMINATED SOIL * DETERGENT & SOAP * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL * CHEMICAL TOILET WASTE

Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED

**Actual:
 293 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMPIRE CHEMICAL COMPANY (Continued)

U001561274

Alias Name: EMPIRE ASSOCIATES
Alias Type: Alternate Name
Alias Name: EMPIRE CHEMICAL COMPANY
Alias Type: Alternate Name
Alias Name: 5410013002
Alias Type: APN
Alias Name: 19281206
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/15/1994
Comments: The Department received a Notice of Intent to Commence Action Under RCRA and CERCLA dated June 22, 1993. On July 30, 1993, the Department mailed the Information Request to all PRPs. The information received from the PRPs indicates that in 1945 the Empire Chemical Co. moved to the subject location. The current owner is Jerry Elkind. The company was involved in the sale of janitorial products and insecticides. It did some packing in the permises as part of their operation. One 5000-gallon UST was installed in 1947-1950 to store kerosene. Soil around the area of of the UST is contaminated with TPH and the groundwater is also suspected to be contaminated. The Department's contact with the Los Angeles City Fire Department, UG Tank Plan Check indicates that they are the lead agency. Therefore, the Department's involvement is unnecessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Region: STATE
Global Id: T0603700792
Latitude: 34.0644783
Longitude: -118.2235455
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/08/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900310116
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Kerosene
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMPIRE CHEMICAL COMPANY (Continued)

U001561274

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603700792
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700792
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603700792
Status: Open - Case Begin Date
Status Date: 08/29/1993

Global Id: T0603700792
Status: Open - Site Assessment
Status Date: 09/13/1993

Global Id: T0603700792
Status: Completed - Case Closed
Status Date: 05/08/1997

Regulatory Activities:

Global Id: T0603700792
Action Type: Other
Date: 09/13/1993
Action: Leak Reported

Global Id: T0603700792
Action Type: Other
Date: 08/29/1993
Action: Leak Discovery

HIST UST:

File Number: 00026471
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026471.pdf>
Region: STATE
Facility ID: 00000004954
Facility Type: Other
Other Type: MATERIAL STORAGE TAN
Contact Name: WILFRED MALET
Telephone: 2132254186

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EMPIRE CHEMICAL COMPANY (Continued)

U001561274

Owner Name: EMPIRE CHEMICAL CO., INC.
Owner Address: 715 LAMAR ST.
Owner City,St,Zip: LOS ANGELES, CA 90031
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1960
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 7670
Air District Name: SC
SIC Code: 2834
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 7670
Air District Name: SC
SIC Code: 2899
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900310116

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

266
NE
1/2-1
0.928 mi.
4899 ft.

TRUFLEX RUBBER
1667 N MAIN ST
LOS ANGELES, CA 90012

SEMS-ARCHIVE 1000229617
RCRA-SQG CAD981461403
ENVIROSTOR
SLIC
FINDS
HIST CORTESE
ECHO

Relative:
Higher

SEMS-ARCHIVE:

Actual:
305 ft.

Site ID: 904580
EPA ID: CAD981461403
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0904580
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289511.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295106.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300964.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: BISHOP & SPERLING
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 07/07/93
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 07/07/93
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 09/16/92
Priority Level: Not reported

RCRA-SQG:

Date form received by agency: 03/22/2002
Facility name: TRUFLEX RUBBER
Facility address: 1667 N MAIN ST
LOS ANGELES, CA 90012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUFLEX RUBBER (Continued)

1000229617

EPA ID: CAD981461403
Mailing address: TECH INTERNATIONAL
200 E COSHOCTON ST
JOHNSTOWN, OH 43031
Contact: ALBERT DANTZER
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (740) 965-9015
Contact email: ADANTZER@TECHTIREREPAIR.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: TRUFLEX RUBBER PRODUCTS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUFLEX RUBBER (Continued)

1000229617

Universal Waste Summary:

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 03/22/2002
Site name: TRUFLEX RUBBER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUFLEX RUBBER (Continued)

1000229617

USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/14/1986
Site name: TRUFLEX RUBBER CO
Classification: Small Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Facility ID: 19300234
Status: Inactive - Needs Evaluation
Status Date: 06/20/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06803
Longitude: -118.2266
APN: 5409003018
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * ORGANIC SOLIDS WITH HALOGENS * CONTAMINATED SOIL * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: I T E CIRCUIT BREAKER COMPANY INC.
Alias Type: Alternate Name
Alias Name: TRU-FLEX RUBBER PRODUCTS COMPANY
Alias Type: Alternate Name
Alias Name: 5409003018
Alias Type: APN
Alias Name: CAD9814611903
Alias Type: EPA Identification Number
Alias Name: 19300234
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/30/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUFLEX RUBBER (Continued)

1000229617

Comments: The Department received a complaint dated December 29, 1992 relates to alleged unlawful disposal or releases of hazardous wastes and hazardous substances, including PCE, TCE, 1,1,1-TCA and toluene at the site and neighboring property. Due to the evidence of on-site contamination, the Dept recommends a PEA.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: * Discovery

Completed Date: 10/22/1982

Comments: Known as the I T E Circuit Breaker Company, Inc: facility identified from L.A. Chamber of Commerce Directory 1963-1964. Electrical Distribution Equipment. On 05/31/1983, a facility drive-by was conducted. Now Truflex Rubber. Office in front; no waste visible from rear.

Future Area Name: Not reported

Future Sub Area Name: Not reported

Future Document Type: Not reported

Future Due Date: Not reported

Schedule Area Name: Not reported

Schedule Sub Area Name: Not reported

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/24/2002
Global Id: SL204DC2386
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.067563
Longitude: -118.225024
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0975
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

FINDS:

Registry ID: 110002138730

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUFLEX RUBBER (Continued)

1000229617

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19300234

ECHO:

Envid: 1000229617
Registry ID: 110002138730
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002138730

267
SW
1/2-1
0.929 mi.
4907 ft.

WEST SIXTH & BROADWAY PARTNERSHIP
314 W. SIXTH STREET
LOS ANGELES, CA 90014

ENVIROSTOR **S106835553**
EMI **N/A**

Relative:
Lower

ENVIROSTOR:

Facility ID: 71003112
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.04695
Longitude: -118.2524
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD982519704
Alias Type: EPA Identification Number
Alias Name: 71003112

Actual:
263 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WEST SIXTH & BROADWAY PARTNERSHIP (Continued)

S106835553

Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

EMI:	
Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	57386
Air District Name:	SC
SIC Code:	3369
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

BF268
West
1/2-1
0.935 mi.
4935 ft.

CENTRAL REGION HIGH SCHOOL #16, SITE3A
EAST 52ND STREET/SAN PEDRO STREET AND TOWNE AVENUE/EAST 54TH
LOS ANGELES, CA 90011

ENVIROSTOR **S108054481**
SCH **N/A**

Site 1 of 2 in cluster BF

Relative:
Higher

ENVIROSTOR:	
Facility ID:	60000392
Status:	Certified
Status Date:	10/26/2010
Site Code:	304535
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.24
NPL:	NO
Regulatory Agencies:	SMBRP, ORANGE COUNTY
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53

Actual:
384 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued)

S108054481

Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05630
Longitude: -118.2573
APN: 5101-001-900
Past Use: RESIDENTIAL AREA, RETAIL, RETAIL - VEHICLES, SCHOOL - OTHER, TRANSPORTATION - WAREHOUSING
Potential COC: Benzene Chlordane DDD DDE DDT Endrin Lead Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Toxaphene TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Dieldrin Heptachlor Heptachlor epoxide
Confirmed COC: 30003-NO Chlordane 30207-NO 30019-NO Tetrachloroethylene (PCE 30024-NO 30025-NO Heptachlor epoxide 3002502-NO 30023-NO 30027-NO Heptachlor Lead DDD DDE DDT 30010-NO
Potential Description: SOIL, SV
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 5101-001-900
Alias Type: APN
Alias Name: 110033619412
Alias Type: EPA (FRS #)
Alias Name: 304535
Alias Type: Project Code (Site Code)
Alias Name: 60000392
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/18/2006
Comments: DTSC concurs with Scoping Document. Sampling scheduled to begin 8/21/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2007
Comments: DTSC issues FA determination for VOCs and metals. Methane and CrVI not properly characterized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/07/2008
Comments: DTSC determined that Further Action is required based on the Supplemental Site Investigation report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/11/2008
Comments: DTSC approved the Remedial Action plan for implementation

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued)

S108054481

Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/16/2008
Comments: DTSC approved the Remedial Design Document for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/26/2009
Comments: DTSC approved the Remedial Action Completion Report for Areas C and D.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/01/2006
Comments: Phase I submitted for background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/28/2010
Comments: DTSC concurs with the recommendation of No Further Action for the Area B RACR. The entire site has now been investigated/remediated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/18/2010
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/11/2008
Comments: Initial Study/Negative Declaration and Notice of Determination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/23/2008
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued)

S108054481

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/18/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000392
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 13.24
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, ORANGE COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304535
Assembly: 53
Senate: 24
Special Program Status: Not reported
Status: Certified
Status Date: 10/26/2010
Restricted Use: NO
Funding: Responsible Party
Latitude: 34.05630
Longitude: -118.2573
APN: 5101-001-900
Past Use: RESIDENTIAL AREA, RETAIL, RETAIL - VEHICLES, SCHOOL - OTHER, TRANSPORTATION - WAREHOUSING
Potential COC: Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Toxaphene, TPH-diesel, TPH-gas, TPH-MOTOR OIL, Trichloroethylene (TCE, Dieldrin, Heptachlor, Heptachlor epoxide
Confirmed COC: 30003-NO, Chlordane, 30207-NO, 30019-NO, Tetrachloroethylene (PCE, 30024-NO, 30025-NO, Heptachlor epoxide, 3002502-NO, 30023-NO, 30027-NO, Heptachlor, Lead, DDD, DDE, DDT, 30010-NO
Potential Description: SOIL, SV
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 5101-001-900
Alias Type: APN
Alias Name: 110033619412
Alias Type: EPA (FRS #)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued)

S108054481

Alias Name: 304535
Alias Type: Project Code (Site Code)
Alias Name: 60000392
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/18/2006
Comments: DTSC concurs with Scoping Document. Sampling scheduled to begin 8/21/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2007
Comments: DTSC issues FA determination for VOCs and metals. Methane and CrVI not properly characterized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/07/2008
Comments: DTSC determined that Further Action is required based on the Supplemental Site Investigation report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/11/2008
Comments: DTSC approved the Remedial Action plan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/16/2008
Comments: DTSC approved the Remedial Design Document for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/26/2009
Comments: DTSC approved the Remedial Action Completion Report for Areas C and D.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/01/2006
Comments: Phase I submitted for background information.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued)

S108054481

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/28/2010
Comments: DTSC concurs with the recommendation of No Further Action for the Area B RACR. The entire site has now been investigated/remediated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/18/2010
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/11/2008
Comments: Initial Study/Negative Declaration and Notice of Determination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/23/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/18/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BF269 SOUTH REGION ELEMENTARY SCHOOL #7, SITE 2
West EAST 89TH STREET/EAST 90TH STREET/COMPTON AVENUE
1/2-1 LOS ANGELES, CA 90002

ENVIROSTOR S108054414
SCH N/A

0.935 mi.
4935 ft. Site 2 of 2 in cluster BF

Relative:
Higher

ENVIROSTOR:

Actual:
384 ft.

Facility ID: 60000393
Status: Certified
Status Date: 08/13/2008
Site Code: 304533
Site Type: School Cleanup
Site Type Detailed: School
Acres: 5.08
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05630
Longitude: -118.2573
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic Benzene Chlordane Lead Mercury (elemental TPH-diesel TPH-gas
TPH-JET FUEL TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Vinyl chloride Benzo[a]pyrene
Confirmed COC: 30001-NO 30003-NO Chlordane Lead 30014-NO 30024-NO 30025-NO 30026-NO
3002501-NO 3002502-NO Benzo[a]pyrene 30028-NO 30027-NO
Potential Description: SOIL
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 110033616736
Alias Type: EPA (FRS #)
Alias Name: 304533
Alias Type: Project Code (Site Code)
Alias Name: 60000393
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/18/2006
Comments: Field Work for PEA Started 9/19/06

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/22/2007
Comments: DTSC determined based on the Preliminary Environmental Assessment
that "Further Action" is required to address TPH, Lead and OCPs
detected onsite

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION ELEMENTARY SCHOOL #7, SITE 2 (Continued)

S108054414

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/26/2007
Comments: DTSC approved the Removal Action Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2008
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/10/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/10/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/30/2008
Comments: DTSC Completed ESD to explain variances from the approved RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/08/2008
Comments: NOE was faxed to OPR. According to OPR NOE is considered filed as of 1/8/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/13/2008
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/13/2008
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION ELEMENTARY SCHOOL #7, SITE 2 (Continued)

S108054414

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000393
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.08
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304533
Assembly: 53
Senate: 24
Special Program Status: Voluntary Cleanup Program
Status: Certified
Status Date: 08/13/2008
Restricted Use: NO
Funding: Responsible Party
Latitude: 34.05630
Longitude: -118.2573
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic, Benzene, Chlordane, Lead, Mercury (elemental, TPH-diesel, TPH-gas, TPH-JET FUEL, TPH-MOTOR OIL, 1,1,1-Trichloroethane (TCA, Trichloroethylene (TCE, Vinyl chloride, Benzo[a]pyrene
Confirmed COC: 30001-NO, 30003-NO, Chlordane, Lead, 30014-NO, 30024-NO, 30025-NO, 30026-NO, 3002501-NO, 3002502-NO, Benzo[a]pyrene, 30028-NO, 30027-NO
Potential Description: SOIL
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 110033616736
Alias Type: EPA (FRS #)
Alias Name: 304533
Alias Type: Project Code (Site Code)
Alias Name: 60000393
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/18/2006
Comments: Field Work for PEA Started 9/19/06
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/22/2007
Comments: DTSC determined based on the Preliminary Environmental Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH REGION ELEMENTARY SCHOOL #7, SITE 2 (Continued)

S108054414

that "Further Action" is required to address TPH, Lead and OCPs detected onsite

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/26/2007
Comments: DTSC approved the Removal Action Workplan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2008
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/10/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/10/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/30/2008
Comments: DTSC Completed ESD to explain variances from the approved RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/08/2008
Comments: NOE was faxed to OPR. According to OPR NOE is considered filed as of 1/8/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/13/2008
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/13/2008
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTH REGION ELEMENTARY SCHOOL #7, SITE 2 (Continued)

S108054414

Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

270
ENE
1/2-1
0.938 mi.
4951 ft.

LOS ANGELES TRANSIT CENTER
750 LAMAR STREET
LOS ANGELES, CA 90031

ENVIROSTOR
VCP
CHMIRS
HAZNET
NPDES

S112869397
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
298 ft.

Facility ID: 60001944
 Status: Active
 Status Date: 11/07/2013
 Site Code: 301639
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 150
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Manjul Bose
 Supervisor: Juli Propes
 Division Branch: Cleanup Chatsworth
 Assembly: 51
 Senate: 24
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 34.06019
 Longitude: -118.2241
 APN: 5410001804, 5410001808, 5410001809, 5410002815, 5410002816, 5410002817
 Not reported
 Past Use: RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
 Potential COC: Benzene Lead Tetrachloroethylene (PCE TPH-gas 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Toluene Xylenes
 30013-NO 30025-NO
 Confirmed COC:
 Potential Description: OTH, SOIL, UE
 Alias Name: 5410001804
 Alias Type: APN
 Alias Name: 5410001808
 Alias Type: APN
 Alias Name: 5410001809
 Alias Type: APN
 Alias Name: 5410002815
 Alias Type: APN
 Alias Name: 5410002816
 Alias Type: APN
 Alias Name: 5410002817
 Alias Type: APN
 Alias Name: 301639
 Alias Type: Project Code (Site Code)
 Alias Name: 60001944
 Alias Type: Envirostor ID Number

MAP FINDINGS

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Workplan
 Completed Date: 12/02/2013
 Comments: Unofficial comments submitted by email (by previous PM) that was taken as official comments and taken to the field. DTSC is closing out this as the RP has gone to field with comments. These comments and issues will be addressed in a forthcoming meeting. (September 11, 2015)

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Tank Removal Report
 Completed Date: 09/03/2014
 Comments: UST report is accepted. UST was located outside of VCA site boundaries, but within Site. UST was formerly contained kerosene, confirmation samples were ND for TPH.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Report
 Completed Date: 10/20/2016
 Comments: Document accepted. No Comments, VCA Terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Report
 Completed Date: 10/20/2016
 Comments: Document accepted. No Comments, VCA Terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Monitoring Report
 Completed Date: 10/20/2016
 Comments: Document accepted, not reviewed. VCA terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 11/06/2014
 Comments: Correspondence sent

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 11/07/2013
 Comments: DTSC and UPRR entered in VCA to provide oversight of supplemental site investigation activities including further characterization of soil and groundwater.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 60001944
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 150
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Manjul Bose
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 301639
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 11/07/2013
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.06019 / -118.2241
APN: 5410001804, 5410001808, 5410001809, 5410002815, 5410002816, 5410002817
Not reported
Past Use: RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
Potential COC: 30003, 30013, 30022, 30025, 30195, 30196, 30550, 30593
Confirmed COC: 30013-NO,30025-NO
Potential Description: OTH, SOIL, UE
Alias Name: 5410001804
Alias Type: APN
Alias Name: 5410001808
Alias Type: APN
Alias Name: 5410001809
Alias Type: APN
Alias Name: 5410002815
Alias Type: APN
Alias Name: 5410002816
Alias Type: APN
Alias Name: 5410002817
Alias Type: APN
Alias Name: 301639
Alias Type: Project Code (Site Code)
Alias Name: 60001944
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/02/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Comments: Unofficial comments submitted by email (by previous PM) that was taken as official comments and taken to the field. DTSC is closing out this as the RP has gone to field with comments. These comments and issues will be addressed in a forthcoming meeting. (September 11, 2015)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Report
Completed Date: 09/03/2014
Comments: UST report is accepted. UST was located outside of VCA site boundaries, but within Site. UST was formerly contained kerosene, confirmation samples were ND for TPH.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/20/2016
Comments: Document accepted. No Comments, VCA Terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/20/2016
Comments: Document accepted. No Comments, VCA Terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2016
Comments: Document accepted, not reviewed. VCA terminated. Further Action Required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/06/2014
Comments: Correspondence sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 11/07/2013
Comments: DTSC and UPRR entered in VCA to provide oversight of supplemental site investigation activities including further characterization of soil and groundwater.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Schedule Revised Date: Not reported

CHMIRS:

OES Incident Number: 15-1467
OES notification: 03/14/2015
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Rail Road
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: RAILROAD
Measure: N/A
Other: Not reported
Date/Time: 2024
Year: 2015
Agency: UPRR
Incident Date: 03/14/2015
Admin Agency: Los Angeles City Fire Department
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: 1 railcar and 2 locomotives
Quantity Released: 3
Unknown: Not reported
Substance #2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that a human error resulted in upright derailment of 1 railcar and 2 locomotives on Train ZBRLC of the 12th at the LATC rail yard. There was no release, a re-railment crew is en route, and there where no injuries to crew or passengers.
OES Incident Number:	15-0856
OES notification:	02/11/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	None
Spill Site:	Rail Road
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Measure: Not reported
Other: Not reported
Type: RAILROAD
Measure: N/A
Other: Not reported
Date/Time: 2044
Year: 2015
Agency: Union Pacific Railroad
Incident Date: 02/11/2015
Admin Agency: Los Angeles City Fire Department
Amount: Not reported
Contained: Yes
Site Type: None
E Date: Not reported
Substance: Train Car Derailment
Quantity Released: 1
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: No
#2 Pipeline: No
#3 Pipeline: No
#1 Vessel >= 300 Tons: No
#2 Vessel >= 300 Tons: No
#3 Vessel >= 300 Tons: No
Evacs: No
Injuries: No
Fatals: No
Comments: Not reported
Description: Caller states one car of train #ISCLB (lead locomotive #UP3973) of the 10th derailed in the upright position. No hazardous materials release or injuries were associated with this incident. The location of the derailment occurred in the LATC Railyard. No waterways were impacted. The cause of the derailment is under investigation. Re-railment of the single car is in progress.

HAZNET:

envid: S112869397
Year: 2013
GEPaid: CAC002745778
Contact: RICK BIRD
Telephone: 7045881350
Mailing Name: Not reported
Mailing Address: 11101 WESTLAKE DR
Mailing City,St,Zip: CHARLOTTE, NC 282733783
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3465

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S112869397
Year: 1997
GEPaid: CAC001148416
Contact: GEORGE S BUSH CO
Telephone: 5032731247
Mailing Name: Not reported
Mailing Address: 600 NW FRONT AVE
Mailing City,St,Zip: PORTLAND, OR 972090000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .4214
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

NPDES:

Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 434758
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C366685
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/03/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Union Pacific Railroad
Discharge Address: 1400 Douglas Street
Discharge City: Omaha
Discharge State: Nebraska
Discharge Zip: 68179
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	434758
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C366685
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2013
PROCESSED DATE:	6/3/2013
STATUS CODE NAME:	Active
STATUS DATE:	6/3/2013
PLACE SIZE:	172.23
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Craig Nickens
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	909-685-2920
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	canicken@up.com
OPERATOR NAME:	Union Pacific Railroad
OPERATOR ADDRESS:	1400 Douglas Street
OPERATOR CITY:	Omaha
OPERATOR STATE:	Nebraska
OPERATOR ZIP:	68179
OPERATOR CONTACT NAME:	Russell Boeckner
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	714-510-4281
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	rhboeckn@up.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Union Pacific Railroad
DEVELOPER ADDRESS:	1400 Douglas Street
DEVELOPER CITY:	Omaha
DEVELOPER STATE:	Nebraska
DEVELOPER ZIP:	68179
DEVELOPER CONTACT NAME:	Gary Voogd
DEVELOPER CONTACT TITLE:	Manager Special Projects - Design
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	Y
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	Y
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Russell Boeckner
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	09-MAY-13

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOS ANGELES TRANSIT CENTER (Continued)

S112869397

PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

271
WSW
1/2-1
0.956 mi.
5049 ft.

PARK CENTRAL BUILDING
412 W 6TH ST
LOS ANGELES, CA 90014

RCRA-SQG 1000596822
ENVIROSTOR CAD983608027
FINDS
ECHO

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: PARK CENTRAL BUILDING
Facility address: 412 W 6TH ST
LOS ANGELES, CA 90014
EPA ID: CAD983608027

Actual:
268 ft.

Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WILLIAM BLOOMFIELD
Owner/operator address: 412 W 6TH ST
LOS ANGELES, CA 90014
Owner/operator country: Not reported
Owner/operator telephone: (213) 627-3998
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CENTRAL BUILDING (Continued)

1000596822

Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: PARK CENTRAL BUILDING
Classification: Small Quantity Generator

Date form received by agency: 03/30/1994
Site name: PARK CENTRAL BUILDING
Classification: Large Quantity Generator

Date form received by agency: 10/18/1991
Site name: PARK CENTRAL BUILDING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/08/2000
Date achieved compliance: 10/01/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/19/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 03/08/2000
Date achieved compliance: 10/01/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/19/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/08/2000
Date achieved compliance: 10/01/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/01/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CENTRAL BUILDING (Continued)

1000596822

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 03/08/2000
Date achieved compliance: 10/01/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/01/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/09/1994
Date achieved compliance: 03/09/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 10/01/2004
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/01/2004
Evaluation lead agency: State

Evaluation date: 03/08/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 10/01/2004
Evaluation lead agency: State

Evaluation date: 03/08/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK CENTRAL BUILDING (Continued)

1000596822

Area of violation: Generators - General
Date achieved compliance: 03/09/1999
Evaluation lead agency: State Contractor/Grantee

ENVIROSTOR:

Facility ID: 71003138
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD983608027
Alias Type: EPA Identification Number
Alias Name: 71003138
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:

Registry ID: 110009548891

Environmental Interest/Information System

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PARK CENTRAL BUILDING (Continued)

1000596822

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Registry ID: 110009535351

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000596822
Registry ID:	110009535351
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110009535351
Envid:	1000596822
Registry ID:	110009548891
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110009548891

272
 SW
 1/2-1
 0.997 mi.
 5263 ft.

M & M HOLDING, LLC
629 S. HILL STREET #1202
LOS ANGELES, CA 90014

ENVIROSTOR S110494027
N/A

Relative:
Lower

ENVIROSTOR:
 Facility ID: 71003306
 Status: Refer: Other Agency
 Status Date: Not reported
 Site Code: Not reported
 Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Not reported
 Division Branch: Cleanup Chatsworth
 Assembly: Not reported
 Senate: Not reported
 Special Program: Not reported

Actual:
265 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M & M HOLDING, LLC (Continued)

S110494027

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000213712
Alias Type: EPA Identification Number
Alias Name: 71003306
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 04/30/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S105628645	GRATTS NEW PRIMARY CENTER	WEST 6TH STREET/BIXEL STREET	90017	ENVIROSTOR, SCH
LOS ANGELES	S118565166	ALAMEDA STREET	0000 ALAMEDA ST	90012	LA Co. Site Mitigation
LOS ANGELES	1003878990	LOS ANGELES HARBOR DRUM	LOS ANGELES HARBOR	90051	SEMS-ARCHIVE
LOS ANGELES	S105628641	ALTERNATE CENTRAL LOS ANGELES HS N	LUCAS AVENUE/MIRAMAR STREET	90026	ENVIROSTOR, SCH
LOS ANGELES	S106387114	ACTA NORTH - PARCEL NE-009-SFGS	2056 &2058 SANTA FE	90021	SLIC
LOS ANGELES	S113450349	NORTH SPRING STREET VIADUCT WIDENI	NORTH SPRING STREET	90012	NPDES
LOS ANGELES	S107736103	CENTRAL LOS ANGELES MIDDLE SCHOOL	UNION AVENUE/WILSHIRE BOULEVAR	90017	ENVIROSTOR, SCH

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/13/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 05/29/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/29/2017

Next Scheduled EDR Contact: 07/10/2017

Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/31/2016

Date Data Arrived at EDR: 11/01/2016

Date Made Active in Reports: 01/18/2017

Number of Days to Update: 78

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/31/2017

Next Scheduled EDR Contact: 05/08/2017

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/14/2016

Date Data Arrived at EDR: 11/15/2016

Date Made Active in Reports: 01/20/2017

Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/15/2017

Next Scheduled EDR Contact: 05/29/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: see region list
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 118	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC: Statewide SLIC Cases

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016	Source: SWRCB
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-341-5851
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 03/16/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/24/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 120	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 119	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/31/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/01/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/18/2017	Last EDR Contact: 01/31/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/04/2017	Telephone: 916-323-7905
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2017	Telephone: 202-566-2777
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 02/03/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 707-463-4466
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 02/27/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 03/06/2017
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 01/24/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/06/2016	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/07/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/26/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/26/2016	Telephone: 916-845-8400
Date Made Active in Reports: 01/17/2017	Last EDR Contact: 01/25/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/24/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/13/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/11/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/10/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 01/13/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-5088
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 02/03/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/06/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/06/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 03/03/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/03/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/15/2016	Source: EPA
Date Data Arrived at EDR: 09/07/2016	Telephone: (415) 947-8000
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 04/07/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 02/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 01/20/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/11/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 90

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 11/10/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 9

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

FRESNO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 51

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/18/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 58

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/18/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016	Source: Community Health Services
Date Data Arrived at EDR: 04/06/2016	Telephone: 323-890-7806
Date Made Active in Reports: 06/13/2016	Last EDR Contact: 01/17/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/02/2015	Telephone: 310-524-2236
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 01/17/2017
Number of Days to Update: 11	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 11/13/2015	Telephone: 562-570-2563
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 01/23/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/11/2016	Telephone: 310-618-2973
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/05/2016	Source: Madera County Environmental Health
Date Data Arrived at EDR: 12/09/2016	Telephone: 559-675-7823
Date Made Active in Reports: 01/19/2017	Last EDR Contact: 02/21/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/25/2016	Telephone: 415-499-6647
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/31/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/25/2016	Telephone: 951-358-5055
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 03/20/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 01/05/2017	Telephone: 916-875-8406
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 04/04/2017
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 01/05/2017	Telephone: 916-875-8406
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 04/04/2017
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 12/13/2016	Telephone: 909-387-3041
Date Made Active in Reports: 03/03/2017	Last EDR Contact: 02/06/2017
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 12/06/2016	Telephone: 619-338-2268
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/10/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/21/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/14/2017
Number of Days to Update: 49

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/13/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/22/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 82

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/13/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/29/2017
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/24/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 89	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2016	Source: Environmental Health Division
Date Data Arrived at EDR: 12/14/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/15/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016	Source: Yolo County Department of Health
Date Data Arrived at EDR: 11/18/2016	Telephone: 530-666-8646
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/31/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 11/03/2016	Telephone: 530-749-7523
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 01/30/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/12/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

800 NORTH ALAMEDA STREET
800 NORTH ALAMEDA STREET
LOS ANGELES, CA 90012

TARGET PROPERTY COORDINATES

Latitude (North):	34.056349 - 34° 3' 22.86"
Longitude (West):	118.237042 - 118° 14' 13.35"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	385831.4
UTM Y (Meters):	3768899.5
Elevation:	282 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630795 LOS ANGELES, CA
Version Date:	2012
West Map:	5630741 HOLLYWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

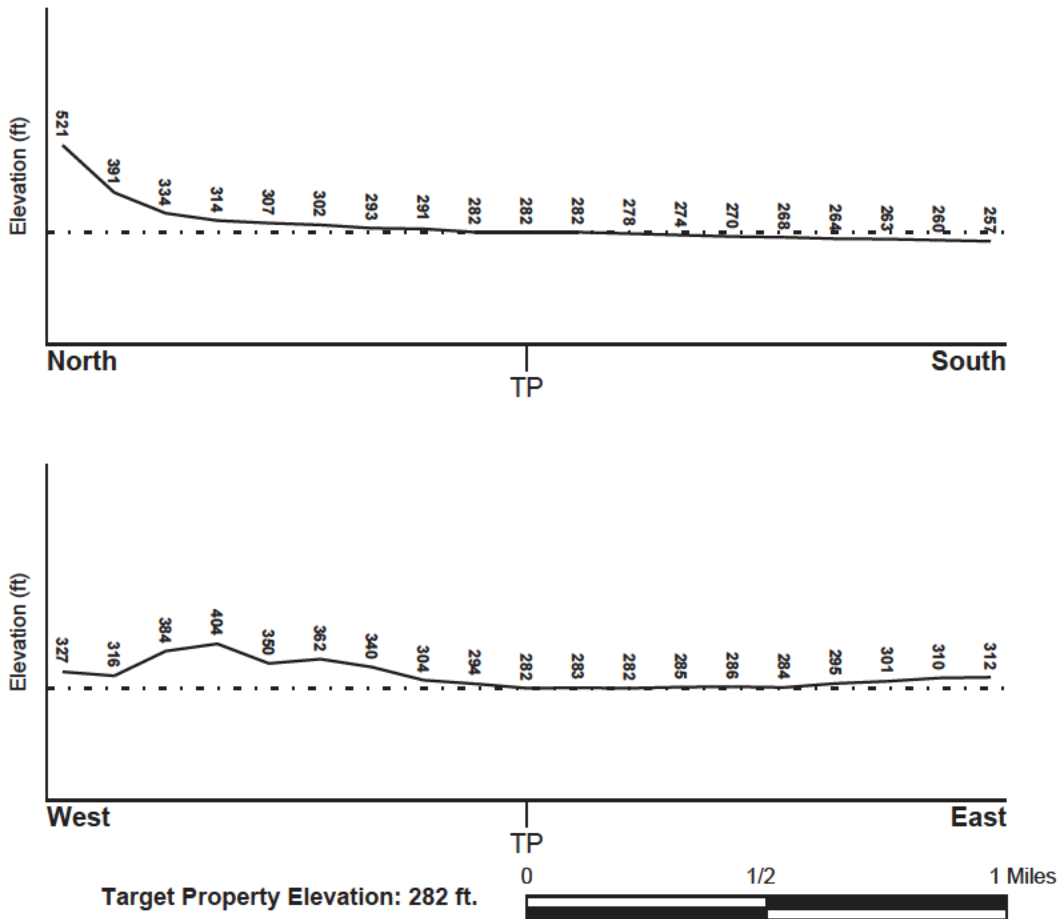
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1636F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1610F	FEMA FIRM Flood data
06037C1628F	FEMA FIRM Flood data
06037C1620F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
LOS ANGELES	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile ENE
Site Name:	MOGUL CORP
Site EPA ID Number:	CAD056437460
Groundwater Flow Direction:	West-Northwest
Inferred Depth to Water:	20 feet to 50 feet.
Hydraulic Connection:	The site is located in a groundwater recharge area.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Surficial Soil Types: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sandy clay
 sandy clay loam
 clay
 silty clay
 sand

Deeper Soil Types: gravelly - sandy loam
 sandy loam
 very gravelly - sandy loam
 stratified
 very fine sandy loam
 weathered bedrock
 sand
 gravelly - fine sandy loam
 silty clay loam
 clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CA2202148	1/8 - 1/4 Mile SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000215299	1/4 - 1/2 Mile SE
2	CAOG11000214097	1/4 - 1/2 Mile ENE
A3	CAOG11000214107	1/2 - 1 Mile SSE
A4	CAOG11000193156	1/2 - 1 Mile South
A5	CAOG11000301684	1/2 - 1 Mile South
A6	CAOG11000193154	1/2 - 1 Mile South
A7	CAOG11000301685	1/2 - 1 Mile South
A8	CAOG11000193164	1/2 - 1 Mile South
A9	CAOG11000301686	1/2 - 1 Mile South
A10	CAOG11000193171	1/2 - 1 Mile South
A11	CAOG11000193245	1/2 - 1 Mile South
A12	CAOG11000193058	1/2 - 1 Mile SSE
13	CAOG11000205228	1/2 - 1 Mile East
14	CAOG11000211739	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B15	CAOG11000216052	1/2 - 1 Mile NNW
B16	CAOG11000216053	1/2 - 1 Mile NNW
B17	CAOG11000213891	1/2 - 1 Mile NNW
B18	CAOG11000215154	1/2 - 1 Mile NNW
B19	CAOG11000192970	1/2 - 1 Mile NNW
C20	CAOG11000213936	1/2 - 1 Mile North
B21	CAOG11000215795	1/2 - 1 Mile NNW
B22	CAOG11000215179	1/2 - 1 Mile NNW
B23	CAOG11000215155	1/2 - 1 Mile NNW
B24	CAOG11000213804	1/2 - 1 Mile NNW
B25	CAOG11000192971	1/2 - 1 Mile NNW
D26	CAOG11000213947	1/2 - 1 Mile North
B27	CAOG11000213827	1/2 - 1 Mile NNW
E28	CAOG11000213826	1/2 - 1 Mile NNW
C29	CAOG11000213802	1/2 - 1 Mile NNW
E30	CAOG11000215796	1/2 - 1 Mile NNW
B31	CAOG11000216246	1/2 - 1 Mile NNW
E32	CAOG11000215800	1/2 - 1 Mile NNW
C33	CAOG11000213930	1/2 - 1 Mile North
B34	CAOG11000213803	1/2 - 1 Mile NNW
D35	CAOG11000213835	1/2 - 1 Mile North
C36	CAOG11000215167	1/2 - 1 Mile North
E37	CAOG11000215799	1/2 - 1 Mile NNW
C38	CAOG11000213929	1/2 - 1 Mile North
C39	CAOG11000215168	1/2 - 1 Mile North
E40	CAOG11000215794	1/2 - 1 Mile NNW
E41	CAOG11000215802	1/2 - 1 Mile NNW
B42	CAOG11000192972	1/2 - 1 Mile NNW
E43	CAOG11000213940	1/2 - 1 Mile NNW
C44	CAOG11000213928	1/2 - 1 Mile North
D45	CAOG11000215150	1/2 - 1 Mile North
B46	CAOG11000216245	1/2 - 1 Mile NNW
C47	CAOG11000213880	1/2 - 1 Mile NNW
E48	CAOG11000215792	1/2 - 1 Mile NNW
C49	CAOG11000215906	1/2 - 1 Mile North
B50	CAOG11000215596	1/2 - 1 Mile NNW
F51	CAOG11000215567	1/2 - 1 Mile NNW
D52	CAOG11000213943	1/2 - 1 Mile North
C53	CAOG11000213927	1/2 - 1 Mile North
C54	CAOG11000213926	1/2 - 1 Mile North
E55	CAOG11000215793	1/2 - 1 Mile NNW
D56	CAOG11000213848	1/2 - 1 Mile North
E57	CAOG11000215635	1/2 - 1 Mile NNW
C58	CAOG11000215163	1/2 - 1 Mile North
E59	CAOG11000213828	1/2 - 1 Mile NNW
C60	CAOG11000213886	1/2 - 1 Mile NNW
E61	CAOG11000215797	1/2 - 1 Mile NNW
E62	CAOG11000215648	1/2 - 1 Mile NNW
C63	CAOG11000213887	1/2 - 1 Mile NNW
D64	CAOG11000213847	1/2 - 1 Mile North
B65	CAOG11000215593	1/2 - 1 Mile NNW
C66	CAOG11000215162	1/2 - 1 Mile North
D67	CAOG11000213856	1/2 - 1 Mile North
C68	CAOG11000213933	1/2 - 1 Mile North
G69	CAOG11000215632	1/2 - 1 Mile NNW
E70	CAOG11000215634	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G71	CAOG11000215626	1/2 - 1 Mile NNW
D72	CAOG11000215783	1/2 - 1 Mile North
D73	CAOG11000215734	1/2 - 1 Mile North
E74	CAOG11000213950	1/2 - 1 Mile NNW
D75	CAOG11000213944	1/2 - 1 Mile North
G76	CAOG11000215627	1/2 - 1 Mile NNW
E77	CAOG11000215801	1/2 - 1 Mile NNW
G78	CAOG11000215637	1/2 - 1 Mile NNW
D79	CAOG11000213849	1/2 - 1 Mile North
E80	CAOG11000216100	1/2 - 1 Mile NNW
C81	CAOG11000213932	1/2 - 1 Mile North
F82	CAOG11000213881	1/2 - 1 Mile NNW
C83	CAOG11000213875	1/2 - 1 Mile North
E84	CAOG11000215647	1/2 - 1 Mile NNW
D85	CAOG11000213863	1/2 - 1 Mile North
G86	CAOG11000215636	1/2 - 1 Mile NNW
C87	CAOG11000213888	1/2 - 1 Mile NNW
E88	CAOG11000213951	1/2 - 1 Mile NNW
C89	CAOG11000213883	1/2 - 1 Mile North
E90	CAOG11000216102	1/2 - 1 Mile NNW
H91	CAOG11000213866	1/2 - 1 Mile North
D92	CAOG11000213945	1/2 - 1 Mile North
E93	CAOG11000213900	1/2 - 1 Mile NNW
E94	CAOG11000215798	1/2 - 1 Mile NNW
E95	CAOG11000216101	1/2 - 1 Mile NNW
D96	CAOG11000213941	1/2 - 1 Mile North
C97	CAOG11000213876	1/2 - 1 Mile North
G98	CAOG11000215638	1/2 - 1 Mile NNW
I99	CAOG11000215765	1/2 - 1 Mile NW
C100	CAOG11000215606	1/2 - 1 Mile North
D101	CAOG11000215782	1/2 - 1 Mile North
J102	CAOG11000213841	1/2 - 1 Mile North
F103	CAOG11000213833	1/2 - 1 Mile NNW
F104	CAOG11000213829	1/2 - 1 Mile NNW
E105	CAOG11000213942	1/2 - 1 Mile NNW
E106	CAOG11000211743	1/2 - 1 Mile NNW
G107	CAOG11000215625	1/2 - 1 Mile NW
G108	CAOG11000215640	1/2 - 1 Mile NNW
F109	CAOG11000213889	1/2 - 1 Mile NNW
E110	CAOG11000213949	1/2 - 1 Mile NNW
F111	CAOG11000192965	1/2 - 1 Mile NNW
K112	CAOG11000213948	1/2 - 1 Mile NNW
E113	CAOG11000213897	1/2 - 1 Mile NNW
E114	CAOG11000215633	1/2 - 1 Mile NNW
E115	CAOG11000213893	1/2 - 1 Mile NNW
J116	CAOG11000215630	1/2 - 1 Mile North
C117	CAOG11000215646	1/2 - 1 Mile North
H118	CAOG11000213865	1/2 - 1 Mile North
G119	CAOG11000215628	1/2 - 1 Mile NW
H120	CAOG11000213902	1/2 - 1 Mile North
F121	CAOG11000192964	1/2 - 1 Mile NNW
E122	CAOG11000211744	1/2 - 1 Mile NNW
K123	CAOG11000213892	1/2 - 1 Mile NNW
F124	CAOG11000213882	1/2 - 1 Mile NNW
G125	CAOG11000215806	1/2 - 1 Mile NW
H126	CAOG11000213884	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F127	CAOG11000213832	1/2 - 1 Mile NNW
D128	CAOG11000213850	1/2 - 1 Mile North
J129	CAOG11000213842	1/2 - 1 Mile North
G130	CAOG11000213901	1/2 - 1 Mile NNW
G131	CAOG11000215639	1/2 - 1 Mile NNW
G132	CAOG11000216305	1/2 - 1 Mile NW
F133	CAOG11000213830	1/2 - 1 Mile NNW
I134	CAOG11000216183	1/2 - 1 Mile NW
K135	CAOG11000215791	1/2 - 1 Mile NNW
F136	CAOG11000213831	1/2 - 1 Mile NNW
K137	CAOG11000192963	1/2 - 1 Mile NNW
H138	CAOG11000215735	1/2 - 1 Mile North
J139	CAOG11000213851	1/2 - 1 Mile North
E140	CAOG11000213898	1/2 - 1 Mile NNW
J141	CAOG11000213843	1/2 - 1 Mile North
G142	CAOG11000215597	1/2 - 1 Mile NNW
F143	CAOG11000215645	1/2 - 1 Mile NNW
K144	CAOG11000213894	1/2 - 1 Mile NNW
G145	CAOG11000215641	1/2 - 1 Mile NNW
H146	CAOG11000213877	1/2 - 1 Mile North
J147	CAOG11000213844	1/2 - 1 Mile North
H148	CAOG11000213878	1/2 - 1 Mile North
I149	CAOG11000216304	1/2 - 1 Mile NW
G150	CAOG11000213905	1/2 - 1 Mile NW
F151	CAOG11000213919	1/2 - 1 Mile NNW
F152	CAOG11000213890	1/2 - 1 Mile North
I153	CAOG11000215805	1/2 - 1 Mile NW
G154	CAOG11000215642	1/2 - 1 Mile NNW
H155	CAOG11000215741	1/2 - 1 Mile North
H156	CAOG11000215180	1/2 - 1 Mile North
K157	CAOG11000213895	1/2 - 1 Mile NNW
J158	CAOG11000215152	1/2 - 1 Mile North
G159	CAOG11000215631	1/2 - 1 Mile NW
H160	CAOG11000213867	1/2 - 1 Mile North
J161	CAOG11000213858	1/2 - 1 Mile North
H162	CAOG11000215739	1/2 - 1 Mile North
H163	CAOG11000215736	1/2 - 1 Mile North
J164	CAOG11000216300	1/2 - 1 Mile North
I165	CAOG11000216316	1/2 - 1 Mile NW
I166	CAOG11000216134	1/2 - 1 Mile NW
F167	CAOG11000215732	1/2 - 1 Mile NNW
H168	CAOG11000213879	1/2 - 1 Mile North
G169	CAOG11000215624	1/2 - 1 Mile NW
J170	CAOG11000215737	1/2 - 1 Mile North
H171	CAOG11000213871	1/2 - 1 Mile North
H172	CAOG11000215740	1/2 - 1 Mile North
H173	CAOG11000215643	1/2 - 1 Mile North
G174	CAOG11000216301	1/2 - 1 Mile NW
F175	CAOG11000216156	1/2 - 1 Mile NNW
K176	CAOG11000192962	1/2 - 1 Mile NNW
I177	CAOG11000216318	1/2 - 1 Mile NW
G178	CAOG11000215629	1/2 - 1 Mile NW
G179	CAOG11000213934	1/2 - 1 Mile NNW
H180	CAOG11000213870	1/2 - 1 Mile North
H181	CAOG11000213864	1/2 - 1 Mile North
J182	CAOG11000213852	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G183	CAOG11000215594	1/2 - 1 Mile NNW
K184	CAOG11000213896	1/2 - 1 Mile NNW
H185	CAOG11000215812	1/2 - 1 Mile North
L186	CAOG11000215644	1/2 - 1 Mile North
G187	CAOG11000213904	1/2 - 1 Mile NW
K188	CAOG11000192967	1/2 - 1 Mile NNW
I189	CAOG11000216303	1/2 - 1 Mile NW
F190	CAOG11000216244	1/2 - 1 Mile NNW
M191	CAOG11000215592	1/2 - 1 Mile NNW
L192	CAOG11000216180	1/2 - 1 Mile NNW
G193	CAOG11000215689	1/2 - 1 Mile NNW
L194	CAOG11000216243	1/2 - 1 Mile NNW
I195	CAOG11000216135	1/2 - 1 Mile NW
J196	CAOG11000213845	1/2 - 1 Mile North
K197	CAOG11000216248	1/2 - 1 Mile NNW
N198	CAOG11000213853	1/2 - 1 Mile North
H199	CAOG11000215738	1/2 - 1 Mile North
K200	CAOG11000211742	1/2 - 1 Mile NNW
G201	CAOG11000213931	1/2 - 1 Mile NW
J202	CAOG11000213839	1/2 - 1 Mile North
N203	CAOG11000213859	1/2 - 1 Mile North
L204	CAOG11000216181	1/2 - 1 Mile NNW
H205	CAOG11000213868	1/2 - 1 Mile North
H206	CAOG11000213873	1/2 - 1 Mile North
H207	CAOG11000213840	1/2 - 1 Mile North
O208	CAOG11000215874	1/2 - 1 Mile NW
K209	CAOG11000211745	1/2 - 1 Mile NNW
L210	CAOG11000216184	1/2 - 1 Mile NNW
M211	CAOG11000213903	1/2 - 1 Mile NNW
J212	CAOG11000216080	1/2 - 1 Mile North
J213	CAOG11000213846	1/2 - 1 Mile North
P214	CAOG11000215571	1/2 - 1 Mile NNW
K215	CAOG11000216247	1/2 - 1 Mile NNW
L216	CAOG11000216115	1/2 - 1 Mile NNW
L217	CAOG11000216218	1/2 - 1 Mile North
H218	CAOG11000213916	1/2 - 1 Mile North
I219	CAOG11000216133	1/2 - 1 Mile NW
H220	CAOG11000213869	1/2 - 1 Mile North
M221	CAOG11000215595	1/2 - 1 Mile NNW
M222	CAOG11000215159	1/2 - 1 Mile NNW
P223	CAOG11000215570	1/2 - 1 Mile NNW
L224	CAOG11000215569	1/2 - 1 Mile NNW
K225	CAOG11000192966	1/2 - 1 Mile NNW
L226	CAOG11000215572	1/2 - 1 Mile NNW
P227	CAOG11000215568	1/2 - 1 Mile NNW
M228	CAOG11000215681	1/2 - 1 Mile NNW
N229	CAOG11000213855	1/2 - 1 Mile North
J230	CAOG11000213837	1/2 - 1 Mile North
H231	CAOG11000213874	1/2 - 1 Mile North
I232	CAOG11000216317	1/2 - 1 Mile NW
K233	CAOG11000211746	1/2 - 1 Mile NNW
M234	CAOG11000215749	1/2 - 1 Mile NNW
L235	CAOG11000215811	1/2 - 1 Mile North
L236	CAOG11000215573	1/2 - 1 Mile NNW
M237	CAOG11000213899	1/2 - 1 Mile NNW
P238	CAOG11000215591	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

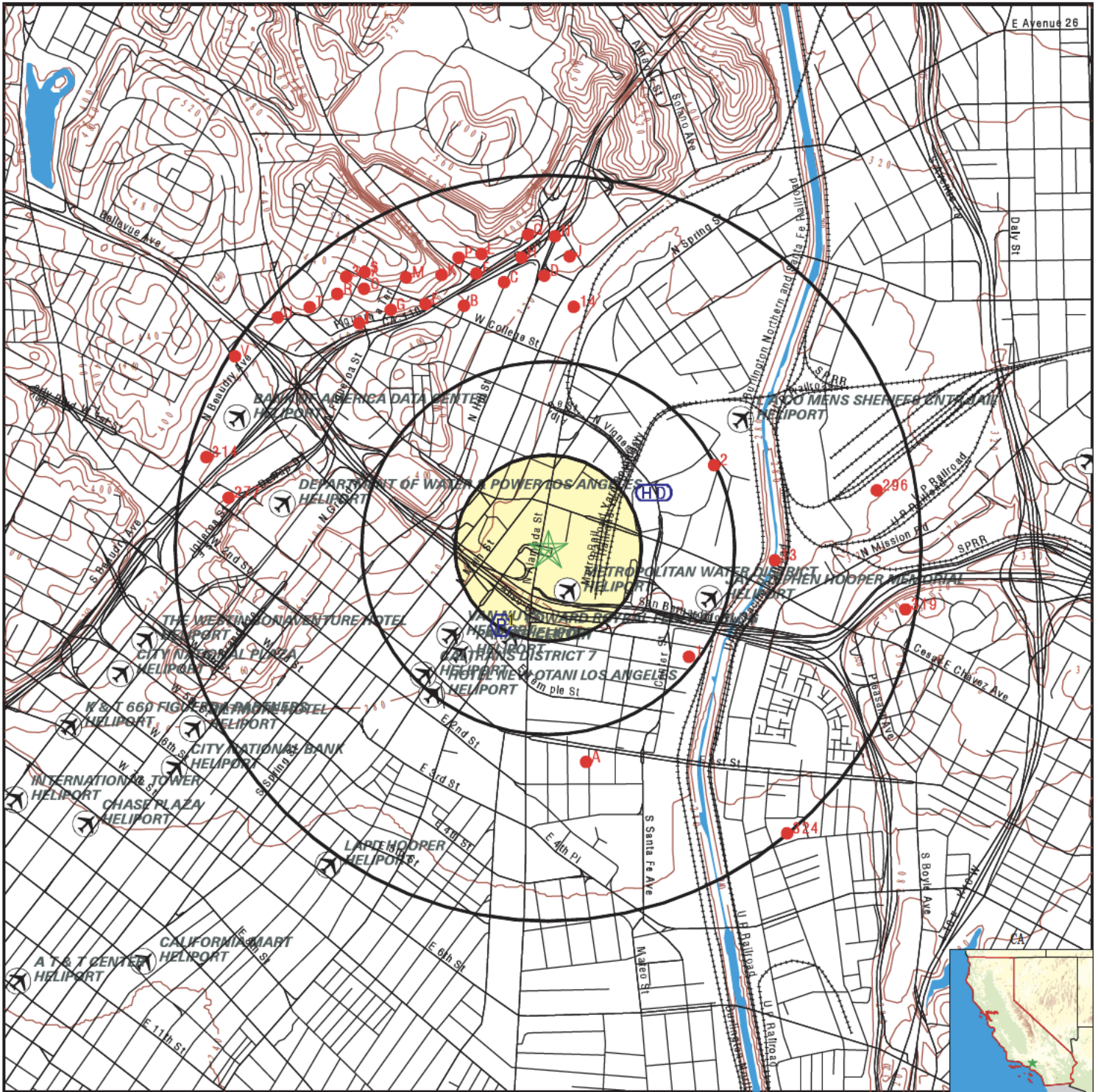
MAP ID	WELL ID	LOCATION FROM TP
J239	CAOG11000215178	1/2 - 1 Mile North
M240	CAOG11000215873	1/2 - 1 Mile NNW
Q241	CAOG11000216114	1/2 - 1 Mile North
M242	CAOG11000215575	1/2 - 1 Mile NNW
N243	CAOG11000213909	1/2 - 1 Mile North
I244	CAOG11000216315	1/2 - 1 Mile NW
N245	CAOG11000213838	1/2 - 1 Mile North
M246	CAOG11000215698	1/2 - 1 Mile NNW
M247	CAOG11000215158	1/2 - 1 Mile NNW
L248	CAOG11000215574	1/2 - 1 Mile NNW
N249	CAOG11000213836	1/2 - 1 Mile North
M250	CAOG11000211748	1/2 - 1 Mile NNW
N251	CAOG11000213783	1/2 - 1 Mile North
N252	CAOG11000213860	1/2 - 1 Mile North
N253	CAOG11000216113	1/2 - 1 Mile North
N254	CAOG11000213854	1/2 - 1 Mile North
O255	CAOG11000216314	1/2 - 1 Mile NW
N256	CAOG11000213784	1/2 - 1 Mile North
O257	CAOG11000200822	1/2 - 1 Mile NW
M258	CAOG11000216302	1/2 - 1 Mile NNW
O259	CAOG11000200827	1/2 - 1 Mile NW
R260	CAOG11000215623	1/2 - 1 Mile NW
N261	CAOG11000213861	1/2 - 1 Mile North
O262	CAOG11000215876	1/2 - 1 Mile NW
R263	CAOG11000215619	1/2 - 1 Mile NW
R264	CAOG11000215621	1/2 - 1 Mile NW
R265	CAOG11000215620	1/2 - 1 Mile NW
O266	CAOG11000215875	1/2 - 1 Mile NW
N267	CAOG11000213862	1/2 - 1 Mile North
N268	CAOG11000216110	1/2 - 1 Mile North
Q269	CAOG11000216112	1/2 - 1 Mile North
O270	CAOG11000216306	1/2 - 1 Mile NNW
O271	CAOG11000200829	1/2 - 1 Mile NNW
R272	CAOG11000215610	1/2 - 1 Mile NW
R273	CAOG11000215615	1/2 - 1 Mile NW
N274	CAOG11000216081	1/2 - 1 Mile North
O275	CAOG11000215616	1/2 - 1 Mile NW
O276	CAOG11000200828	1/2 - 1 Mile NNW
277	CAOG11000214315	1/2 - 1 Mile West
R278	CAOG11000215618	1/2 - 1 Mile NW
O279	CAOG11000215614	1/2 - 1 Mile NW
S280	CAOG11000213918	1/2 - 1 Mile NNW
R281	CAOG11000215607	1/2 - 1 Mile NW
N282	CAOG11000216111	1/2 - 1 Mile North
O283	CAOG11000213907	1/2 - 1 Mile NW
R284	CAOG11000215617	1/2 - 1 Mile NW
R285	CAOG11000200821	1/2 - 1 Mile NW
R286	CAOG11000215622	1/2 - 1 Mile NW
S287	CAOG11000215611	1/2 - 1 Mile NW
R288	CAOG11000189700	1/2 - 1 Mile NW
S289	CAOG11000215702	1/2 - 1 Mile NNW
R290	CAOG11000215605	1/2 - 1 Mile NW
S291	CAOG11000200817	1/2 - 1 Mile NW
T292	CAOG11000216121	1/2 - 1 Mile NW
R293	CAOG11000200820	1/2 - 1 Mile NW
R294	CAOG11000213906	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
T295	CAOG11000216122	1/2 - 1 Mile NW
296	CAOG11000204478	1/2 - 1 Mile East
S297	CAOG11000216309	1/2 - 1 Mile NW
S298	CAOG11000213908	1/2 - 1 Mile NW
R299	CAOG11000215612	1/2 - 1 Mile NW
R300	CAOG11000216124	1/2 - 1 Mile NW
R301	CAOG11000189658	1/2 - 1 Mile NW
R302	CAOG11000216043	1/2 - 1 Mile NW
R303	CAOG11000200819	1/2 - 1 Mile NW
R304	CAOG11000215609	1/2 - 1 Mile NW
R305	CAOG11000216044	1/2 - 1 Mile NW
R306	CAOG11000215613	1/2 - 1 Mile NW
307	CAOG11000200818	1/2 - 1 Mile NW
R308	CAOG11000215608	1/2 - 1 Mile NW
R309	CAOG11000216119	1/2 - 1 Mile NW
U310	CAOG11000215212	1/2 - 1 Mile NW
R311	CAOG11000216118	1/2 - 1 Mile NW
T312	CAOG11000216123	1/2 - 1 Mile NW
T313	CAOG11000216120	1/2 - 1 Mile NW
314	CAOG11000216833	1/2 - 1 Mile WNW
U315	CAOG11000216051	1/2 - 1 Mile NW
U316	CAOG11000216048	1/2 - 1 Mile NW
U317	CAOG11000216049	1/2 - 1 Mile NW
U318	CAOG11000216050	1/2 - 1 Mile NW
319	CAOG11000205186	1/2 - 1 Mile East
V320	CAOG11000213782	1/2 - 1 Mile WNW
V322	CAOG11000194211	1/2 - 1 Mile WNW
V321	CAOG11000194210	1/2 - 1 Mile WNW
V323	CAOG11000213801	1/2 - 1 Mile WNW
324	CAOG11000205253	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 4903788.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 800 North Alameda Street
 ADDRESS: 800 North Alameda Street
 Los Angeles CA 90012
 LAT/LONG: 34.056349 / 118.237042

CLIENT: Kleinfelder, Inc.
 CONTACT: Margaret Carroll
 INQUIRY #: 4903788.2s
 DATE: April 11, 2017 3:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1		
SSW		FRDS PWS CA2202148
1/8 - 1/4 Mile		
Higher		

Epa region:	09	State:	CA
Pwsid:	CA2202148		
Pwsname:	WHISPERING PINES RECOVERY CENTER		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06043
Status:	Closed	Pop srvd:	30
Pwsvcconn:	8	Source:	Groundwater
Pws type:	NTNCWS	Owner:	Private
Contact:	WHISPERING PINES RECOVERY CENTER		
Contact or gname:	Not Reported		
Contact phone:	213-628-6103	Contact address1:	WHISPERING PINES CAMP
Contact address2:	6979 HWY	Contact city:	LOS ANGELES
Contact state:	CA	Contact zip:	90053
Activity code:	I		

Location Information:

Name:	WHISPERING PINES RECOVERY CENTER		
Pwstypcd:	NTNCWS	Primsrccd:	GW
Popserved:	30		
Add1:	WHISPERING PINES CAMP		
Add2:	6979 HWY		
City:	LOS ANGELES	State:	CA
Zip:	90053	Phone:	213-628-6103
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	CA	Zipserv:	Not Reported

Violations Information:

Violation id:	95V0001	Orig cd:	F
State:	CA	Viol fy:	1993
Contamcd:	5000		
Contamm:	Lead and Copper Rule		
Viol code:	51		
Viol name:	Initial Tap Sampling for Pb and Cu		
Rule code:	350		
Rule name:	LCR		
Violmeasur:	0	Unitmeasur:	Not Reported
State mcl:	0	Cmpbdt:	07/01/1993
Cmpedt:	Not Reported		

PWS ID:	CA2202148		
Date Initiated:	8605	Date Deactivated:	Not Reported
PWS Name:	WHISPERING PINES RECOVERY CENTER		
	WHISPERING PINES CAMP		
	6979 HWY		
	LOS ANGELES, CA 90053		

Addressee / Facility: System Owner/Responsible Party
 WHISPERING PINES CAMP
 P O BOX 6
 LOS ANGELES, CA 90053

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude: 34 03 12
City Served: Not Reported
Treatment Class: Untreated

Facility Longitude: 118 14 18
Population: 00000030

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: WHISPERING PINES RECOVERY
Violation Type: Initial Tap Sampling for Pb and Cu
Contaminant: LEAD & COPPER RULE
Compliance Period: 1993-07-01 - 2015-12-31
Violation ID: 95V0001
Enforcement Date: Not Reported

Enf. Action: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE
1/4 - 1/2 Mile

OIL_GAS CAOG11000215299

District nun:	1	Api number:	03725060
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Southern California Rapid Transit	Dist.	
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Metrorail Unknown	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000215299		

2
ENE
1/4 - 1/2 Mile

OIL_GAS CAOG11000214097

District nun:	1	Api number:	03720503
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Miller Corehole	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000214097		

A3
SSE
1/2 - 1 Mile

OIL_GAS CAOG11000214107

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03720537
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	St. James Oil Corp.		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000214107		

A4
South
1/2 - 1 Mile

OIL_GAS CAOG11000193156

District nun:	1	Api number:	03720646
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	277' DF
Locationde:	DF = 10'		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	4-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193156		

A5
South
1/2 - 1 Mile

OIL_GAS CAOG11000301684

District nun:	1	Api number:	03730254
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	254.20
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	8
Leasename:	Garey	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000301684		

A6
South
1/2 - 1 Mile

OIL_GAS CAOG11000193154

District nun:	1	Api number:	03720640
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	277' DF
Locationde:	DF = 10'		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193154		

A7
South
1/2 - 1 Mile

OIL_GAS CAOG11000301685

District nun:	1	Api number:	03730255
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	254.39
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000301685		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A8
South
1/2 - 1 Mile

OIL_GAS CAOG11000193164

District nun:	1	Api number:	03720722
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	277' DF
Locationde:	DF=10'		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193164		

A9
South
1/2 - 1 Mile

OIL_GAS CAOG11000301686

District nun:	1	Api number:	03730256
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	C
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	254.24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Garey	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000301686		

A10
South
1/2 - 1 Mile

OIL_GAS CAOG11000193171

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03720787
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	277' DF
Locationde:	DF = 10'		
Gissourcec:	opr		
Comments:	80409099.ssf		
Leasename:	Garey	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193171		

**A11
South
1/2 - 1 Mile**

OIL_GAS CAOG11000193245

District nun:	1	Api number:	03721078
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	277' DF
Locationde:	DF = 11'		
Gissourcec:	opr		
Comments:	80409099.ssf		
Leasename:	Garey	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193245		

**A12
SSE
1/2 - 1 Mile**

OIL_GAS CAOG11000193058

District nun:	1	Api number:	03720207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Megatoys Property, LLC		
County name:	Los Angeles	Fieldname:	Union Station (ABD)
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	276' DF
Locationde:	DF=9'		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1-C
Leasename:	Garey	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000193058		

**13
East
1/2 - 1 Mile**

OIL_GAS CAOG11000205228

District nun:	1	Api number:	03706277
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	F. F. Hoard		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	27
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000205228		

**14
North
1/2 - 1 Mile**

OIL_GAS CAOG11000211739

District nun:	1	Api number:	03716580
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Paul F. McKenzie		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	T-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211739		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B15
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216052

District nun:	1	Api number:	03725887
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Maier & Zoblein Brewing Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Eastern Area Drilled 1696	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216052		

B16
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216053

District nun:	1	Api number:	03725888
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Maier & Zoblein Brewing Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216053		

B17
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213891

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719141
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	63
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213891		

**B18
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215154

District nun:	1	Api number:	03723858
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Unknown	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215154		

**B19
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192970

District nun:	1	Api number:	03719022
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	First Chinese Bapt. Church		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	345.522
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	42207148.ssf	Wellnumber:	1
Leasename:	A. F. Hodges	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192970		

**C20
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213936

District nun:	1	Api number:	03719186
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Murrieta	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213936		

**B21
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215795

District nun:	1	Api number:	03725629
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215795		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B22
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000215179**

District nun:	1	Api number:	03723883
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Lapp	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215179		

B23
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000215155**

District nun:	1	Api number:	03723859
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Unknown	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215155		

B24
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000213804**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719023
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Henry & Jane Fong		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	A. F. Hodges	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213804		

**B25
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192971

District nun:	1	Api number:	03719024
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	First Chinese Bapt. Church		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	350.122
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	A. F. Hodges	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192971		

**D26
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213947

District nun:	1	Api number:	03719197
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	5-1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213947		

**B27
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213827

District nun:	1	Api number:	03719077
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213827		

**E28
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213826

District nun:	1	Api number:	03719076
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213826		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C29
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213802

District nun:	1	Api number:	03719012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Carl B. Breig		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213802		

E30
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215796

District nun:	1	Api number:	03725630
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215796		

B31
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216246

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726082
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Tyler Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216246		

**E32
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215800

District nun:	1	Api number:	03725634
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215800		

**C33
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213930

District nun:	1	Api number:	03719180
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Thomas F. Joyce		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	5
Leasename:	Joyce	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213930		

**B34
NNW
1/2 - 1 Mile**

OIL_GAS

CAOG11000213803

District nun:	1	Api number:	03719013
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Carl B. Breig		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213803		

**D35
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213835

District nun:	1	Api number:	03719085
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213835		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C36
North
1/2 - 1 Mile

OIL_GAS CAOG11000215167

District nun:	1	Api number:	03723871
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	H. Rogalske		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215167		

E37
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215799

District nun:	1	Api number:	03725633
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215799		

C38
North
1/2 - 1 Mile

OIL_GAS CAOG11000213929

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719179
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Thomas F. Joyce		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Joyce	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213929		

C39
North
1/2 - 1 Mile

OIL_GAS CAOG11000215168

District nun:	1	Api number:	03723872
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	H. Rogalske		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215168		

E40
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215794

District nun:	1	Api number:	03725628
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	8
Leasename:	Mc Cue	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215794		

**E41
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215802

District nun:	1	Api number:	03725636
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215802		

**B42
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192972

District nun:	1	Api number:	03719025
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	PAMC, Ltd.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	343.355
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	A. F. Hodges	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192972		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E43
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213940

District nun:	1	Api number:	03719190
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Regal	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213940		

C44
North
1/2 - 1 Mile

OIL_GAS CAOG11000213928

District nun:	1	Api number:	03719178
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Thomas F. Joyce		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213928		

D45
North
1/2 - 1 Mile

OIL_GAS CAOG11000215150

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723854
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Victor Bavario		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Scott	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215150		

**B46
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216245

District nun:	1	Api number:	03726081
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Tyler Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216245		

**C47
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213880

District nun:	1	Api number:	03719130
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	45
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213880		

**E48
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215792

District nun:	1	Api number:	03725626
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Regal	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215792		

**C49
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215906

District nun:	1	Api number:	03725741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Joe Gellen		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215906		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B50
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215596

District nun:	1	Api number:	03725430
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215596		

F51
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215567

District nun:	1	Api number:	03725401
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Standard Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Zobelein	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215567		

D52
North
1/2 - 1 Mile

OIL_GAS CAOG11000213943

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719193
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213943		

C53
North
1/2 - 1 Mile

OIL_GAS CAOG11000213927

District nun:	1	Api number:	03719177
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Thomas F. Joyce		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213927		

C54
North
1/2 - 1 Mile

OIL_GAS CAOG11000213926

District nun:	1	Api number:	03719176
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Thomas F. Joyce		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213926		

**E55
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215793

District nun:	1	Api number:	03725627
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215793		

**D56
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213848

District nun:	1	Api number:	03719098
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213848		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E57
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215635

District nun:	1	Api number:	03725469
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	71
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215635		

C58
North
1/2 - 1 Mile

OIL_GAS CAOG11000215163

District nun:	1	Api number:	03723867
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lee Westlake		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215163		

E59
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213828

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719078
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213828		

**C60
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213886

District nun:	1	Api number:	03719136
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	51
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213886		

**E61
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215797

District nun:	1	Api number:	03725631
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	Regal	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215797		

**E62
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215648

District nun:	1	Api number:	03725482
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	66
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215648		

**C63
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213887

District nun:	1	Api number:	03719137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213887		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D64
North
1/2 - 1 Mile

OIL_GAS CAOG11000213847

District nun:	1	Api number:	03719097
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213847		

B65
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215593

District nun:	1	Api number:	03725427
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215593		

C66
North
1/2 - 1 Mile

OIL_GAS CAOG11000215162

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723866
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lee Westlake		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215162		

D67
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213856

District nun:	1	Api number:	03719106
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213856		

C68
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213933

District nun:	1	Api number:	03719183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	30
Leasename:	Botiller	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213933		

**G69
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215632

District nun:	1	Api number:	03725466
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	83
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215632		

**E70
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215634

District nun:	1	Api number:	03725468
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215634		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G71
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215626

District nun:	1	Api number:	03725460
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	98
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215626		

D72
North
1/2 - 1 Mile

OIL_GAS CAOG11000215783

District nun:	1	Api number:	03725617
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Botiller	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215783		

D73
North
1/2 - 1 Mile

OIL_GAS CAOG11000215734

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725568
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215734		

**E74
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213950

District nun:	1	Api number:	03719200
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213950		

**D75
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213944

District nun:	1	Api number:	03719194
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	3
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213944		

**G76
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215627

District nun:	1	Api number:	03725461
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	97
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215627		

**E77
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215801

District nun:	1	Api number:	03725635
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215801		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G78
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215637

District nun:	1	Api number:	03725471
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	80
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215637		

D79
North
1/2 - 1 Mile

OIL_GAS CAOG11000213849

District nun:	1	Api number:	03719099
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213849		

E80
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216100

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725935
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Murrietta		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216100		

**C81
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213932

District nun:	1	Api number:	03719182
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Botiller	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213932		

**F82
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213881

District nun:	1	Api number:	03719131
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	46
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213881		

**C83
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213875

District nun:	1	Api number:	03719125
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213875		

**E84
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215647

District nun:	1	Api number:	03725481
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	65
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215647		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D85
North
1/2 - 1 Mile

OIL_GAS CAOG11000213863

District nun:	1	Api number:	03719113
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213863		

G86
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215636

District nun:	1	Api number:	03725470
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	90
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215636		

C87
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213888

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719138
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	53
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213888		

**E88
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213951

District nun:	1	Api number:	03719201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213951		

**C89
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213883

District nun:	1	Api number:	03719133
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	48
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213883		

**E90
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216102

District nun:	1	Api number:	03725937
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Murrietta		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216102		

**H91
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213866

District nun:	1	Api number:	03719116
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213866		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D92
North
1/2 - 1 Mile

OIL_GAS CAOG11000213945

District nun:	1	Api number:	03719195
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213945		

E93
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213900

District nun:	1	Api number:	03719150
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	76
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213900		

E94
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215798

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725632
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mc Cue	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215798		

**E95
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216101

District nun:	1	Api number:	03725936
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Murrietta		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216101		

**D96
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213941

District nun:	1	Api number:	03719191
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213941		

C97
North
1/2 - 1 Mile

OIL_GAS CAOG11000213876

District nun:	1	Api number:	03719126
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213876		

G98
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215638

District nun:	1	Api number:	03725472
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	89
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215638		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

I99
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215765

District nun:	1	Api number:	03725599
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215765		

C100
North
1/2 - 1 Mile

OIL_GAS CAOG11000215606

District nun:	1	Api number:	03725440
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215606		

D101
North
1/2 - 1 Mile

OIL_GAS CAOG11000215782

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725616
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Botiller	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215782		

J102
North
1/2 - 1 Mile

OIL_GAS CAOG11000213841

District nun:	1	Api number:	03719091
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213841		

F103
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213833

District nun:	1	Api number:	03719083
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	9
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213833		

**F104
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213829

District nun:	1	Api number:	03719079
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213829		

**E105
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213942

District nun:	1	Api number:	03719192
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213942		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E106
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000211743

District nun:	1	Api number:	03716584
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	TWO
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211743		

G107
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215625

District nun:	1	Api number:	03725459
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	99
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215625		

G108
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215640

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725474
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	87
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215640		

**F109
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213889

District nun:	1	Api number:	03719139
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213889		

**E110
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213949

District nun:	1	Api number:	03719199
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	11
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213949		

**F111
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192965

District nun:	1	Api number:	03719017
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	373.64
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192965		

**K112
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213948

District nun:	1	Api number:	03719198
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213948		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E113
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213897

District nun:	1	Api number:	03719147
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	72
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213897		

E114
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215633

District nun:	1	Api number:	03725467
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	79
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215633		

E115
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213893

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719143
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	67
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213893		

**J116
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215630

District nun:	1	Api number:	03725464
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215630		

**C117
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215646

District nun:	1	Api number:	03725480
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	60
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215646		

**H118
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213865

District nun:	1	Api number:	03719115
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213865		

**G119
NW
1/2 - 1 Mile**

OIL_GAS

CAOG11000215628

District nun:	1	Api number:	03725462
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	96
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215628		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H120
North
1/2 - 1 Mile

OIL_GAS CAOG11000213902

District nun:	1	Api number:	03719152
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	82
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213902		

F121
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000192964

District nun:	1	Api number:	03719016
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	381.802
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192964		

E122
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000211744

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03716585
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	THREE
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211744		

**K123
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213892

District nun:	1	Api number:	03719142
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	64
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213892		

**F124
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213882

District nun:	1	Api number:	03719132
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	47
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213882		

G125

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000215806

District nun:	1	Api number:	03725641
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	George Ford		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215806		

H126

North

1/2 - 1 Mile

OIL_GAS

CAOG11000213884

District nun:	1	Api number:	03719134
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	49
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213884		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F127
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213832

District nun:	1	Api number:	03719082
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213832		

D128
North
1/2 - 1 Mile

OIL_GAS CAOG11000213850

District nun:	1	Api number:	03719100
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213850		

J129
North
1/2 - 1 Mile

OIL_GAS CAOG11000213842

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719092
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213842		

**G130
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213901

District nun:	1	Api number:	03719151
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	81
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213901		

**G131
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215639

District nun:	1	Api number:	03725473
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	88
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215639		

G132

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000216305

District nun:	1	Api number:	03726141
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216305		

F133

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000213830

District nun:	1	Api number:	03719080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213830		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

I134
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216183

District nun:	1	Api number:	03726018
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Oil Col		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216183		

K135
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215791

District nun:	1	Api number:	03725625
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215791		

F136
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213831

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719081
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213831		

**K137
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192963

District nun:	1	Api number:	03719015
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	392.457
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192963		

**H138
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215735

District nun:	1	Api number:	03725569
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	5
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215735		

J139
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213851

District nun:	1	Api number:	03719101
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213851		

E140
NNW
1/2 - 1 Mile

OIL_GAS

CAOG11000213898

District nun:	1	Api number:	03719148
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213898		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J141
North
1/2 - 1 Mile

OIL_GAS CAOG11000213843

District nun:	1	Api number:	03719093
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213843		

G142
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215597

District nun:	1	Api number:	03725431
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215597		

F143
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215645

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725479
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	59
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215645		

**K144
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213894

District nun:	1	Api number:	03719144
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	68
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213894		

**G145
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215641

District nun:	1	Api number:	03725475
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	86
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215641		

H146
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213877

District nun:	1	Api number:	03719127
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	40
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213877		

J147
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213844

District nun:	1	Api number:	03719094
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213844		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H148
North
1/2 - 1 Mile

OIL_GAS CAOG11000213878

District nun:	1	Api number:	03719128
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213878		

I149
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216304

District nun:	1	Api number:	03726140
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216304		

G150
NW
1/2 - 1 Mile

OIL_GAS CAOG11000213905

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719155
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	95
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213905		

**F151
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213919

District nun:	1	Api number:	03719169
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	R. Earl		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213919		

**F152
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213890

District nun:	1	Api number:	03719140
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	55
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213890		

**I153
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215805

District nun:	1	Api number:	03725640
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	George Ford		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215805		

**G154
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215642

District nun:	1	Api number:	03725476
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	84
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215642		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H155
North
1/2 - 1 Mile

OIL_GAS CAOG11000215741

District nun:	1	Api number:	03725575
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215741		

H156
North
1/2 - 1 Mile

OIL_GAS CAOG11000215180

District nun:	1	Api number:	03723884
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Lapp	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215180		

K157
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213895

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719145
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	69
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213895		

**J158
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215152

District nun:	1	Api number:	03723856
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	B. F. Breig		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Breig	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215152		

**G159
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215631

District nun:	1	Api number:	03725465
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	94
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215631		

H160
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213867

District nun:	1	Api number:	03719117
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213867		

J161
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213858

District nun:	1	Api number:	03719108
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213858		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H162
North
1/2 - 1 Mile

OIL_GAS CAOG11000215739

District nun:	1	Api number:	03725573
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215739		

H163
North
1/2 - 1 Mile

OIL_GAS CAOG11000215736

District nun:	1	Api number:	03725570
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215736		

J164
North
1/2 - 1 Mile

OIL_GAS CAOG11000216300

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726136
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216300		

**I165
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216316

District nun:	1	Api number:	03726152
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	W. S. Morgan		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216316		

**I166
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216134

District nun:	1	Api number:	03725969
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Morrell Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	3
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216134		

**F167
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215732

District nun:	1	Api number:	03725566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215732		

**H168
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213879

District nun:	1	Api number:	03719129
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	42
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213879		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G169
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215624

District nun:	1	Api number:	03725458
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	93
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215624		

J170
North
1/2 - 1 Mile

OIL_GAS CAOG11000215737

District nun:	1	Api number:	03725571
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215737		

H171
North
1/2 - 1 Mile

OIL_GAS CAOG11000213871

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719121
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213871		

**H172
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215740

District nun:	1	Api number:	03725574
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215740		

**H173
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215643

District nun:	1	Api number:	03725477
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	58
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215643		

G174

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000216301

District nun:	1	Api number:	03726137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216301		

F175

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000216156

District nun:	1	Api number:	03725991
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Oil Col		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216156		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K176
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000192962

District nun:	1	Api number:	03719014
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	427.7
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192962		

I177
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216318

District nun:	1	Api number:	03726154
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	W. S. Morgan		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216318		

G178
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215629

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725463
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	92
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215629		

**G179
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213934

District nun:	1	Api number:	03719184
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Front	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213934		

**H180
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213870

District nun:	1	Api number:	03719120
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	32
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213870		

**H181
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213864

District nun:	1	Api number:	03719114
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213864		

**J182
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213852

District nun:	1	Api number:	03719102
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213852		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G183
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215594

District nun:	1	Api number:	03725428
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215594		

K184
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213896

District nun:	1	Api number:	03719146
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	70
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213896		

H185
North
1/2 - 1 Mile

OIL_GAS CAOG11000215812

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725647
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Geo. Geigrich		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215812		

**L186
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215644

District nun:	1	Api number:	03725478
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	57
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215644		

**G187
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000213904

District nun:	1	Api number:	03719154
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	91
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213904		

**K188
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000192967

District nun:	1	Api number:	03719019
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	373.702
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192967		

**I189
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216303

District nun:	1	Api number:	03726139
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216303		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F190
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216244

District nun:	1	Api number:	03726080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Mrs. Emma Summers		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216244		

M191
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215592

District nun:	1	Api number:	03725426
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215592		

L192
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216180

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726015
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Oil Col		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216180		

**G193
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215689

District nun:	1	Api number:	03725523
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Chas. V. Hall		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215689		

**L194
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216243

District nun:	1	Api number:	03726079
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Standard Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000216243		

I195

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000216135

District nun:	1	Api number:	03725970
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Morrell Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216135		

J196

North

1/2 - 1 Mile

OIL_GAS

CAOG11000213845

District nun:	1	Api number:	03719095
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213845		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K197
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216248

District nun:	1	Api number:	03726084
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Tyler Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216248		

N198
North
1/2 - 1 Mile

OIL_GAS CAOG11000213853

District nun:	1	Api number:	03719103
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213853		

H199
North
1/2 - 1 Mile

OIL_GAS CAOG11000215738

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Consolidated Crude Corp.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215738		

**K200
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000211742

District nun:	1	Api number:	03716583
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	ONE
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211742		

**G201
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000213931

District nun:	1	Api number:	03719181
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	E. A. Doran Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Back	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213931		

**J202
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213839

District nun:	1	Api number:	03719089
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213839		

**N203
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213859

District nun:	1	Api number:	03719109
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213859		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

**L204
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216181

District nun:	1	Api number:	03726016
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Oil Col		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216181		

**H205
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213868

District nun:	1	Api number:	03719118
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213868		

**H206
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213873

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719123
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213873		

**H207
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213840

District nun:	1	Api number:	03719090
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213840		

**O208
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215874

District nun:	1	Api number:	03725709
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Humphrey Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215874		

**K209
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000211745

District nun:	1	Api number:	03716586
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	FOUR
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211745		

**L210
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216184

District nun:	1	Api number:	03726019
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Oil Col		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216184		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M211
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000213903

District nun:	1	Api number:	03719153
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	85
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213903		

J212
North
1/2 - 1 Mile

OIL_GAS CAOG11000216080

District nun:	1	Api number:	03725915
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Mericos Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216080		

J213
North
1/2 - 1 Mile

OIL_GAS CAOG11000213846

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719096
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213846		

**P214
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215571

District nun:	1	Api number:	03725405
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215571		

**K215
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216247

District nun:	1	Api number:	03726083
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Tyler Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	3
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216247		

**L216
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216115

District nun:	1	Api number:	03725950
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Bill Nye Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216115		

**L217
North
1/2 - 1 Mile**

OIL_GAS CAOG11000216218

District nun:	1	Api number:	03726054
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Rommell Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216218		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H218
North
1/2 - 1 Mile

OIL_GAS CAOG11000213916

District nun:	1	Api number:	03719166
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	State of California		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gas Well	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213916		

I219
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216133

District nun:	1	Api number:	03725968
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Parker Morrell Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216133		

H220
North
1/2 - 1 Mile

OIL_GAS CAOG11000213869

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719119
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213869		

**M221
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215595

District nun:	1	Api number:	03725429
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215595		

**M222
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215159

District nun:	1	Api number:	03723863
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kaiser Foundation Health Plan, Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	Unknown	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215159		

**P223
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215570

District nun:	1	Api number:	03725404
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215570		

**L224
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215569

District nun:	1	Api number:	03725403
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215569		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K225
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000192966**

District nun:	1	Api number:	03719018
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chavez Realty Develop Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	385.965
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42207148.ssf		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192966		

L226
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000215572**

District nun:	1	Api number:	03725406
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215572		

P227
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000215568**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725402
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215568		

**M228
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215681

District nun:	1	Api number:	03725515
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Richards	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215681		

**N229
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213855

District nun:	1	Api number:	03719105
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	16
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213855		

J230
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213837

District nun:	1	Api number:	03719087
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213837		

H231
North
1/2 - 1 Mile

OIL_GAS

CAOG11000213874

District nun:	1	Api number:	03719124
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213874		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

I232
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216317

District nun:	1	Api number:	03726153
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	W. S. Morgan		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216317		

K233
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000211746

District nun:	1	Api number:	03716587
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Ventura Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L. A. Brick	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000211746		

M234
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215749

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725583
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Dogget & Fletcher		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215749		

L235
North
1/2 - 1 Mile

OIL_GAS CAOG11000215811

District nun:	1	Api number:	03725646
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Geo. Geigrich		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215811		

L236
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215573

District nun:	1	Api number:	03725407
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	3
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215573		

M237

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000213899

District nun:	1	Api number:	03719149
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	74
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213899		

P238

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000215591

District nun:	1	Api number:	03725425
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	British Calif. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215591		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J239
North
1/2 - 1 Mile

OIL_GAS CAOG11000215178

District nun:	1	Api number:	03723882
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ed Wong	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215178		

M240
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215873

District nun:	1	Api number:	03725708
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Humphrey Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215873		

Q241
North
1/2 - 1 Mile

OIL_GAS CAOG11000216114

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725949
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Bill Nye Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216114		

**M242
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215575

District nun:	1	Api number:	03725409
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	A. D. Reese		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215575		

**N243
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213909

District nun:	1	Api number:	03719159
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	121
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213909		

I244

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000216315

District nun:	1	Api number:	03726151
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	W. S. Morgan		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216315		

N245

North

1/2 - 1 Mile

OIL_GAS

CAOG11000213838

District nun:	1	Api number:	03719088
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213838		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M246
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215698

District nun:	1	Api number:	03725532
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Chas. V. Hall		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215698		

M247
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215158

District nun:	1	Api number:	03723862
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kaiser Foundation Health Plan, Inc.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Unknown	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215158		

L248
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215574

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725408
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215574		

**N249
North
1/2 - 1 Mile**

OIL_GAS CAOG11000213836

District nun:	1	Api number:	03719086
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213836		

**M250
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000211748

District nun:	1	Api number:	03716589
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Ventura Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Figueroa Community	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000211748		

**N251
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213783

District nun:	1	Api number:	03718976
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ed Wong	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213783		

**N252
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213860

District nun:	1	Api number:	03719110
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213860		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N253
North
1/2 - 1 Mile

OIL_GAS CAOG11000216113

District nun:	1	Api number:	03725948
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Nettleton & Kellerman		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Curtis	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216113		

N254
North
1/2 - 1 Mile

OIL_GAS CAOG11000213854

District nun:	1	Api number:	03719104
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213854		

O255
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216314

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726150
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	W. S. Morgan		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216314		

**N256
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000213784

District nun:	1	Api number:	03718977
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ed Wong	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213784		

**O257
NW
1/2 - 1 Mile**

OIL_GAS

CAOG11000200822

District nun:	1	Api number:	03700425
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Bernard	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200822		

M258

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000216302

District nun:	1	Api number:	03726138
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216302		

O259

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000200827

District nun:	1	Api number:	03700453
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bernard	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200827		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R260
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215623

District nun:	1	Api number:	03725457
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	102
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215623		

N261
North
1/2 - 1 Mile

OIL_GAS CAOG11000213861

District nun:	1	Api number:	03719111
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213861		

O262
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215876

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725711
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Humphrey Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215876		

**R263
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215619

District nun:	1	Api number:	03725453
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	104
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215619		

**R264
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215621

District nun:	1	Api number:	03725455
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	101
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215621		

**R265
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215620

District nun:	1	Api number:	03725454
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	103
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215620		

**O266
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215875

District nun:	1	Api number:	03725710
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Humphrey Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215875		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N267
North
1/2 - 1 Mile

OIL_GAS CAOG11000213862

District nun:	1	Api number:	03719112
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213862		

N268
North
1/2 - 1 Mile

OIL_GAS CAOG11000216110

District nun:	1	Api number:	03725945
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216110		

Q269
North
1/2 - 1 Mile

OIL_GAS CAOG11000216112

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725947
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Nettleton & Kellerman		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Curtis	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216112		

**O270
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216306

District nun:	1	Api number:	03726142
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Union Consolidated Crude Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216306		

**O271
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000200829

District nun:	1	Api number:	03700455
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	4
Leasename:	Bernard	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200829		

R272

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000215610

District nun:	1	Api number:	03725444
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	115
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215610		

R273

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000215615

District nun:	1	Api number:	03725449
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	100
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215615		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N274
North
1/2 - 1 Mile

OIL_GAS CAOG11000216081

District nun:	1	Api number:	03725916
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Mericos Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216081		

O275
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215616

District nun:	1	Api number:	03725450
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	107
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215616		

O276
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000200828

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700454
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bernard	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200828		

277
West
1/2 - 1 Mile

OIL_GAS CAOG11000214315

District nun:	1	Api number:	03720785
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Phillips Petroleum Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	28
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Civic Center	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000214315		

R278
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215618

District nun:	1	Api number:	03725452
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	105
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215618		

**O279
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215614

District nun:	1	Api number:	03725448
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	108
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215614		

**S280
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000213918

District nun:	1	Api number:	03719168
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bernard	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213918		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R281
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215607

District nun:	1	Api number:	03725441
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	116
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215607		

N282
North
1/2 - 1 Mile

OIL_GAS CAOG11000216111

District nun:	1	Api number:	03725946
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Nate Bray (G. N.)		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	22
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216111		

O283
NW
1/2 - 1 Mile

OIL_GAS CAOG11000213907

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03719157
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	111
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213907		

**R284
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215617

District nun:	1	Api number:	03725451
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215617		

**R285
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000200821

District nun:	1	Api number:	03700424
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	10
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200821		

**R286
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215622

District nun:	1	Api number:	03725456
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	109
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215622		

**S287
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215611

District nun:	1	Api number:	03725445
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	114
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215611		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R288
NW
1/2 - 1 Mile

OIL_GAS CAOG11000189700

District nun:	1	Api number:	03706476
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Dept. of Conservation		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	411.259
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42206108.ssf		
Leasename:	L.A.	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189700		

S289
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215702

District nun:	1	Api number:	03725536
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Chicago Ferndale Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215702		

R290
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215605

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725439
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	119
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215605		

**S291
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000200817

District nun:	1	Api number:	03700420
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200817		

**T292
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216121

District nun:	1	Api number:	03725956
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	5
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216121		

R293

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000200820

District nun:	1	Api number:	03700423
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200820		

R294

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000213906

District nun:	1	Api number:	03719156
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213906		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T295
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216122

District nun:	1	Api number:	03725957
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216122		

296
East
1/2 - 1 Mile

OIL_GAS CAOG11000204478

District nun:	1	Api number:	03705144
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Atlantic Oil Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	26
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Atlantic-Sunray L.A. Shops	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204478		

S297
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216309

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726145
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Ventura Consolidated Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216309		

**S298
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000213908

District nun:	1	Api number:	03719158
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	112
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213908		

**R299
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215612

District nun:	1	Api number:	03725446
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	113
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215612		

**R300
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216124

District nun:	1	Api number:	03725959
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216124		

**R301
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000189658

District nun:	1	Api number:	03706425
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Dept. of Conservation		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	407.99
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42206108.ssf		
Leasename:	L.A.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189658		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R302
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216043

District nun:	1	Api number:	03725878
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Little Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216043		

R303
NW
1/2 - 1 Mile

OIL_GAS CAOG11000200819

District nun:	1	Api number:	03700422
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200819		

R304
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215609

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725443
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	117
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215609		

**R305
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216044

District nun:	1	Api number:	03725879
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Little Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216044		

**R306
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215613

District nun:	1	Api number:	03725447
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	118
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215613		

**307
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000200818

District nun:	1	Api number:	03700421
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Geotest Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200818		

**R308
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215608

District nun:	1	Api number:	03725442
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	C. C. Harris Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	120
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215608		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R309
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216119

District nun:	1	Api number:	03725954
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216119		

U310
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215212

District nun:	1	Api number:	03723921
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Marland Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	Unknown
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215212		

R311
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216118

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725953
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216118		

**T312
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216123

District nun:	1	Api number:	03725958
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216123		

**T313
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216120

District nun:	1	Api number:	03725955
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	Oceanic Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216120		

**314
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216833

District nun:	1	Api number:	03726708
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Allison & Barlow		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	28
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000216833		

**U315
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216051

District nun:	1	Api number:	03725886
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	M. & M. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216051		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U316
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216048

District nun:	1	Api number:	03725883
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	M. & M. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216048		

U317
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216049

District nun:	1	Api number:	03725884
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	M. & M. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216049		

U318
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216050

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725885
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	B
Operator name:	M. & M. Oil Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216050		

**319
East
1/2 - 1 Mile**

OIL_GAS CAOG11000205186

District nun:	1	Api number:	03706212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Ventura Oil syndicate #1		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	26
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000205186		

**V320
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000213782

District nun:	1	Api number:	03718975
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kenneth & Katherine Manley		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	Beaudry Plaza Co	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213782		

**V322
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000194211

District nun:	1	Api number:	03725043
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	L. A. Unified School Dist.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	365.626
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42208049.ssf		
Leasename:	LAUSD	Wellnumber:	1B
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	1029		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOB
Site id:	CAOG11000194211		

**V321
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000194210

District nun:	1	Api number:	03725043
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	L. A. Unified School Dist.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	365.626
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	42208049.ssf		
Leasename:	LAUSD	Wellnumber:	1B
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	1029		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOB
Site id:	CAOG11000194210		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V323
WNW
1/2 - 1 Mile

OIL_GAS CAOG11000213801

District nun:	1	Api number:	03719001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	LA Land Co.		
County name:	Los Angeles	Fieldname:	Los Angeles City
Area name:	Any Area	Section:	21
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213801		

324
SE
1/2 - 1 Mile

OIL_GAS CAOG11000205253

District nun:	1	Api number:	03706327
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Industrial Royalties Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	34
Township:	01S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Core Hole	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205253		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90012	8	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C

User Provided and Regulatory Agency Documentation

INTERVIEW INFORMATION

Margaret Carroll

From: Wilder, Erika <WilderEr@metro.net>
Sent: Monday, June 12, 2017 5:03 PM
To: Margaret Carroll
Cc: Liz Velz Simmons; Mark Peabody
Subject: RE: LAUS Forecourt and Esplanade Improvements Project

I have no information. Cris is a much better resource.

From: Margaret Carroll [mailto:MCarroll@kleinfelder.com]
Sent: Monday, June 12, 2017 5:02 PM
To: Wilder, Erika
Cc: Liz Velz Simmons; Mark Peabody
Subject: RE: LAUS Forecourt and Esplanade Improvements Project

Sounds like we have the same information for the permit. Also, is there a time tomorrow or Wednesday morning I could call you to discuss your general background and knowledge of the LAUS Forecourt and Esplanade area?

Thank you!

Sincerely,

Margaret R. Carroll
Senior Professional
2 Ada, Suite 250
Irvine, CA 92618
o | 949.727.4466
d | 949.585.3130
c | 949.337.5582
f | 949.727.9242



From: Wilder, Erika [mailto:WilderEr@metro.net]
Sent: Monday, June 12, 2017 4:48 PM
To: Margaret Carroll <MCarroll@kleinfelder.com>
Cc: Liz Velz Simmons <LSimmons@kleinfelder.com>; Mark Peabody <MPeabody@kleinfelder.com>
Subject: RE: LAUS Forecourt and Esplanade Improvements Project

Cris is a much better resource than me. I know we've paid for some permits: SCAQMD Facility 92958, Reference Number D62152, for Soil Treat Vapor Extract Other VOC Above; and a flat fee for the same Facility ID. It's for 840 Commercial St, LA CA 90012. That's the TSA.

From: Margaret Carroll [<mailto:MCarroll@kleinfelder.com>]
Sent: Monday, June 12, 2017 4:35 PM
To: Wilder, Erika
Cc: Liz Velz Simmons; Mark Peabody
Subject: LAUS Forecourt and Esplanade Improvements Project

Erika,

I am updating an Initial Site Assessment (ISA) report for the Los Angeles Union Station Forecourt and Esplanade Improvements Project in Los Angeles based on recent comments received from Emmanuel (Cris) Liban. One of his comments pertains to a permit listing associated with the South Coast Air Quality Management District (SCAQMD) for a former listing "*National Railroad Passenger Corp*". In FiNDS, "National Railroad Passenger Corp" is listed as "out of business", but indicates it was issued a permit on November 18, 1991 for operation of soil vapor extraction equipment (see attached from SCAQMD). Cris referred me to either you or Heather Severin to see if the referenced permit was the same as Metro's permit for the "Temporary Storage Area". Since working on the Division 20 Portal Widening Project, I am familiar with a Metro Temporary Storage Yard located south of Commercial Street and east of Center Street for which a similar permit was issued (Permit #D62152; Issued 9/17/92 for Soil Vapor Extraction equipment; "Rail Construction Corp"), although the permit numbers do not appear to match. Can you confirm one way or the other?

Also, would you be able to comment on the following items specifically associated with the existing LAUS Forecourt and Esplanade area – the parking/landscaped area between Alameda Street (on the west), main terminal building (on the east), LAUS entrance road (on the south), and apartments (on the north):

1. Can you comment on prior use / development of this area of LAUS?
2. Are you aware of hazardous materials use/storage in this area of LAUS?
3. Are you aware of environmental spills and/or cleanups specific to this area of LAUS?

Thank you! I appreciate your assistance. I am out of the office all day tomorrow, but will be available on Wednesday morning if you would like to discuss.

Sincerely,

Margaret R. Carroll

Senior Professional

2 Ada, Suite 250

Irvine, CA 92618

o| 949.727.4466

d| 949.585.3130

c| 949.337.5582

f | 949.727.9242



Margaret Carroll

From: Margaret Carroll
Sent: Tuesday, June 13, 2017 11:47 AM
To: severinh@metro.net
Cc: Liz Velz Simmons; Mark Peabody
Subject: Los Angeles Union Station Forecourt and Esplanade Improvements Project

Heather,

Thank you for taking the time to speak with me this morning. This email is just a follow up for purposes of interview section documentation for the LAUS Forecourt and Esplanade Initial Site Assessment (ISA) Kleinfelder is preparing for Metro. As mentioned, I am updating and responding to comments made by Cris Liban to the ISA report associated with the LAUS Forecourt and Esplanade Improvements Project. Cris Liban requested that we contact Metro personnel to interview regarding their knowledge of the project area and potential environmental issues. Your name, as well as Erika Wilder's name was provided as contacts.

Based on our conversation, I understand that you do not have specific knowledge regarding the Forecourt and Esplanade area of LAUS, and that you deal with the area closer to Alameda Street and 1st Street. You also indicated that you are unaware of South Coast Air Quality Management District (SCAQMD) permits issued associated with "National Railroad Passenger Corp" at the LAUS address of 800 Alameda Street, and that you are more familiar with permits issued associated with buildings. Finally, you indicated that Metro has one Temporary Storage Yard located at 840 Commercial Street, which is used by Regional Connector.

Again, thank you for taking the time this morning. It was nice talking to you.

Sincerely,

Margaret R. Carroll

Senior Professional

2 Ada, Suite 250

Irvine, CA 92618

o| 949.727.4466

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c| 949.337.5582

f | 949.727.9242





Phase I Environmental Site Assessment Link Union Station Project Area

October 26, 2016



Link US

Table 5-3. Activity Use Limitations

Address, APN, HDR Map Code	Owner(s)	AULs
410 Center Street, 5173-021-905, HDR Map Code 63 (LA County Metro Transportation Authority)	Undetermined	Land Use Restrictions (Appendix J-63)
530 E. Ramirez Street, 5409-022-905, HDR Map Code 66 (Former Aliso Sector – Denny’s Site)	Undetermined	Land Use Restrictions (Appendix J-66)
710-720 Keller Street (Macy), 5409-021-902, HDR Map Code 84 (Keller Yard)	Undetermined	Land Use Restrictions (Appendix J-84)
2424 E. Olympic Boulevard, 5168-002-800, HDR Map Code 135 (SCG/Olympic Base)	Undetermined	Land Use Restrictions (Appendix J-135)
2182 E. 11 th Street, 5167-009-019, HDR Map Code 139 (Western Lead and Metal)	Undetermined	Land Use Restrictions (Appendix J-139)

5.7 Vapor Encroachment Conditions

Natural petroleum seeps were located within the Project Area, occurring most notably on the lowest level of the parking garage beneath the Gateway Plaza Area. These natural seeps are composed of weathered crude oil that has been depleted of its more volatile components. However, they remain a source of VOCs. CoLA Ordinances 175790 and 180619 may have building requirements that apply to the redevelopment of the Project Area as petroleum seeps are present and it is located within a defined Methane Buffer Zone (CoLA, 2004).

The subterranean structures of the Project Area, particularly the passenger tunnel below the tracks and platforms and the underground parking garage below the Gateway Plaza, are exposed to soils impacted with petroleum and petroleum products. Therefore, a VEC exists at the Project Area.

5.8 Summary of Previous Environmental Investigations

HDR reviewed site-specific agency documentation as previously described in Section 5.4. Notations regarding the site-specific documentation are summarized in Appendix A, Table A1 and Appendix J.

5.9 Site Interviews

HDR personnel (Ms. Jeanette Price) met with Mr. Jesus Villanueva, Senior Environmental Specialist with Metro on May 16, 2016. Mr. Villanueva provided an overview of the history of a portion of the former Aliso Street MGP site, and he confirmed that the Metro site (840 Commercial Street) and adjacent sites were known to have soil and groundwater contamination

as a result of the former Aliso Street MGP operations in the area of Segments 2, 3, and 4. Mr. Villanueva provided a brief overview of the transition of the site from industrial use to its current transportation use and indicated that all bus refueling occurs off-site at Metro's fleet site. Mr. Villanueva indicated that Metro had purchased the 410 Center Street site (HDR Map Code 63) and intends to relocate the existing operations and demolish the existing site structures to make way for construction of the proposed Emergency Security Operations Center. Mr. Villanueva indicated that he would provide records for previous environmental investigations conducted at the site during the period of ownership by Metro and also indicated that he had no additional documentation beyond publicly ascertainable records held by DTSC and/or SWRCB. Based on a request by HDR personnel, Mr. Villanueva also indicated that he would inquire internally with Metro for a referral to staff that may have additional historical knowledge of the site. However, no additional Metro staff was available for interviews at the time this Phase I ESA was prepared.

On June 16, 2016, HDR personnel (Mr. Andrew Cherene) met with Mr. Miguel Esquiviaz, Journeyman Engineer for Morlin Asset Services, who has been working at LAUS for 17 years. Mr. Esquiviaz provided a tour of the back-of-house areas at the Historic LAUS Area and Passenger Platforms Area that are not accessible to the public. He confirmed that the Historic LAUS Area and Passenger Platforms Area do not have fuel tanks and no maintenance or fueling of any kind is done on the property. Historically, boilers for heating the station were located north of the LAUS, in the vicinity of where the Mozaic Apartments are now located. Metro acquired the property in 2011 and has been steadily making upgrades and improvements to the systems. Mr. Esquiviaz confirmed that sewage and stormwater are not captured or treated before being discharged to municipal sanitary sewers and storm drains. No wastewater treatment systems or clarifiers operate on the facility, although a grease capture system for the restaurants in the passenger terminal is present. It drains to an underground tank on the north side of the Historic LAUS Area. This tank is pumped out periodically by a truck. To his knowledge, no monitoring wells, PCB transformers, history of fire, or hazardous materials spills were located on the property.

On June 16, 2016, Mr. Cherene also met with Mr. Jeff Hoel, Maintenance Lead for Metro, who has been working at the Metro headquarters for 18 years. Mr. Hoel provided a tour of the back-of-house areas in the Gateway Plaza Area that are not accessible to the public. He explained that the Gateway Plaza and subterranean parking garage had a backup generator and diesel fuel tank located at the north end, with the generator on the surface level and the fuel tank below, in the parking garage. The lowest garage level also had a stormwater sump that collects runoff and pumped it up to the municipal storm drain.

5.10 Off-site Interviews

HDR personnel (Mr. Andrew Cherene) interviewed Mr. Mark Evans, a rail engineer and senior project manager at HDR with specific knowledge about the history of LAUS. Mr. Evans provided files and historical documentation related to the development history of the passenger terminal. To his knowledge, maintenance activities were not performed routinely at any time in the station's history. Fueling and maintenance of locomotives took place at other facilities nearby and LAUS was used strictly for loading and unloading of passengers as quickly and efficiently

as possible. He indicated that it may have been possible that incidental minor maintenance activities occurred, such as lubricating joints or unsticking wheels or brakes, but that these activities would be relatively infrequent and on an as-needed basis. Although locomotives did not refuel at LAUS, steam-powered engines would have filled up with water. At least one reference he provided showed a tall device on the north end of a platform that would have pumped water into a steam locomotive's reservoir.

A telephone interview was requested of the RWQCB case worker assigned to cleanup oversight for the former Aliso Street MGP, Sector C sites. However, no RWQCB staff was available for interviews at the time this Phase I ESA was prepared. No other off-site interviews were conducted in support of this Phase I ESA.

5.11 Site Reconnaissance

On May 16, 2016, HDR conducted a site reconnaissance of the Project Area and surrounding properties. A subsequent site reconnaissance was completed on June 6, 2016. The site reconnaissance was completed from the public ROW, accessed by foot and by vehicle. No private property access was provided. Photographs were taken during the site reconnaissance and are referenced to specific sites (Appendix A, Table A1 and Appendix K). Photographs not obtained during the site reconnaissance due to security concerns or lack of accessibility were obtained from Google Maps, referenced within the photo.

Overhead electrical lines, including transformers were noted throughout the Project Area. The surrounding area was highly industrialized with commercial, industrial, governmental buildings and facilities (e.g., jail, police impound storage lot, etc.). The Project Area has multiple recycling facilities. Surface oil staining was noted throughout the railroad ROW. Groundwater monitoring wells were located throughout the Project Area. A description of the site reconnaissance by ESA Segment is discussed below. Corresponding photo documentation is presented in Appendix K.

Segment 1

Segment 1 included the LAUS passenger platforms and underground walkways, railroad ROW from US-101 to the south, the El Monte Busway to the east, North Alameda Street to west, and the railroad ROW where the tracks converge into five sets (the "Throat" area), extending to North Vignes Street. Surface oil stains were noted within the railroad tracks on the ballast material. Railroad communication equipment and equipment boxes were noted throughout the area (Photo 1). Three pole-mounted transformers, adjoining Segment 1, near an office building located south of Vignes Street was noted in the previous Phase I ISA (Kleinfelder, 2014), but was not confirmed during either site reconnaissance. A large pile of construction debris was located east of the Los Angeles River (Photo 23).

Segment 2

Segment 2 included US-101, two parcels, and East Commercial Street. A vagrant camp was located on the vacant lot between North Hewitt Street and North Garey Street (Photo 12) and was not closely investigated due to security concerns. The other parcel contained blown trash, a

ASSESSOR'S PARCEL MAP

800 North Alameda Street

800 North Alameda Street
Los Angeles, CA 90012

Inquiry Number: 4903788.6
April 10, 2017

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

Thank you for your business.

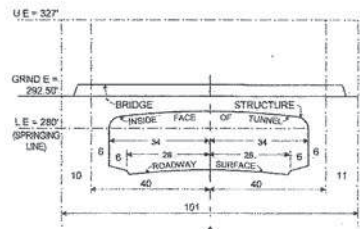
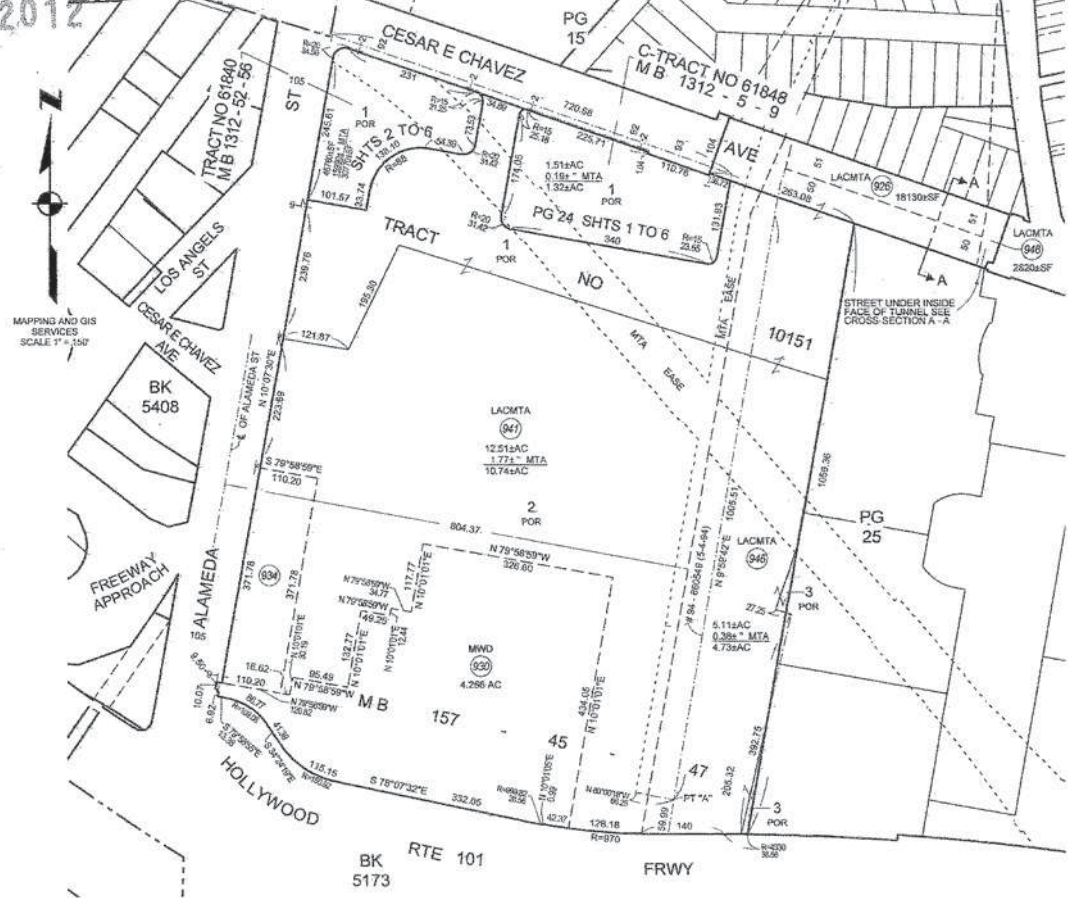
Please contact EDR at 1-800-352-0050
with any questions or comments.

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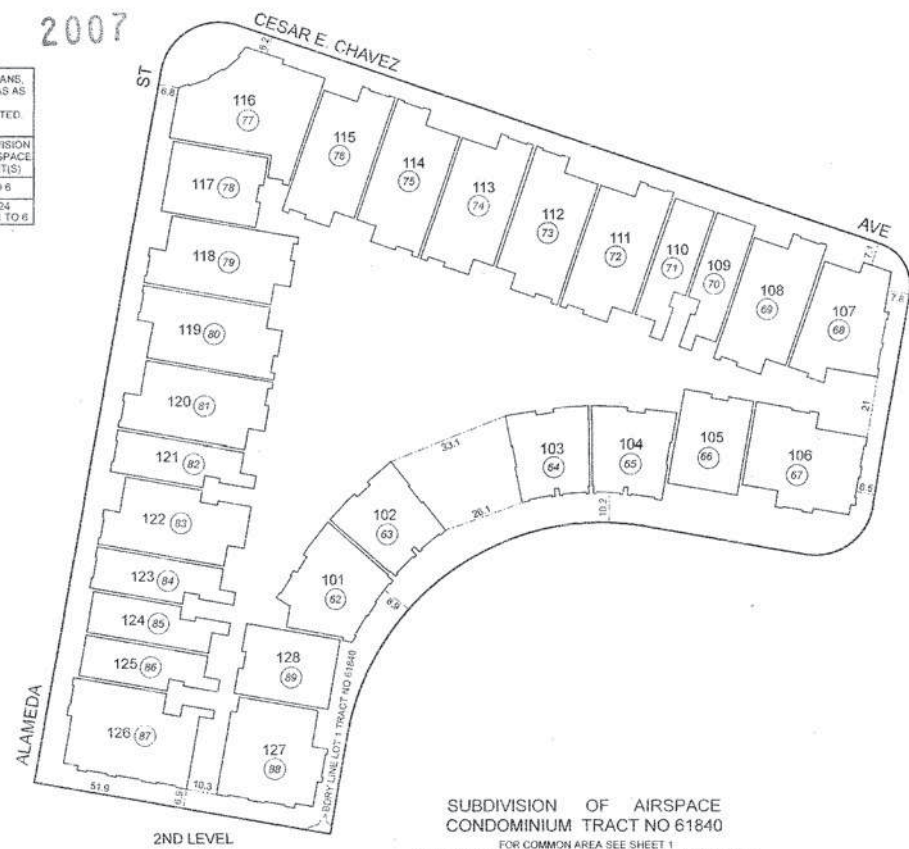


CESAR E. CHAVEZ AVE
CROSS-SECTION A-A
NO SCALE

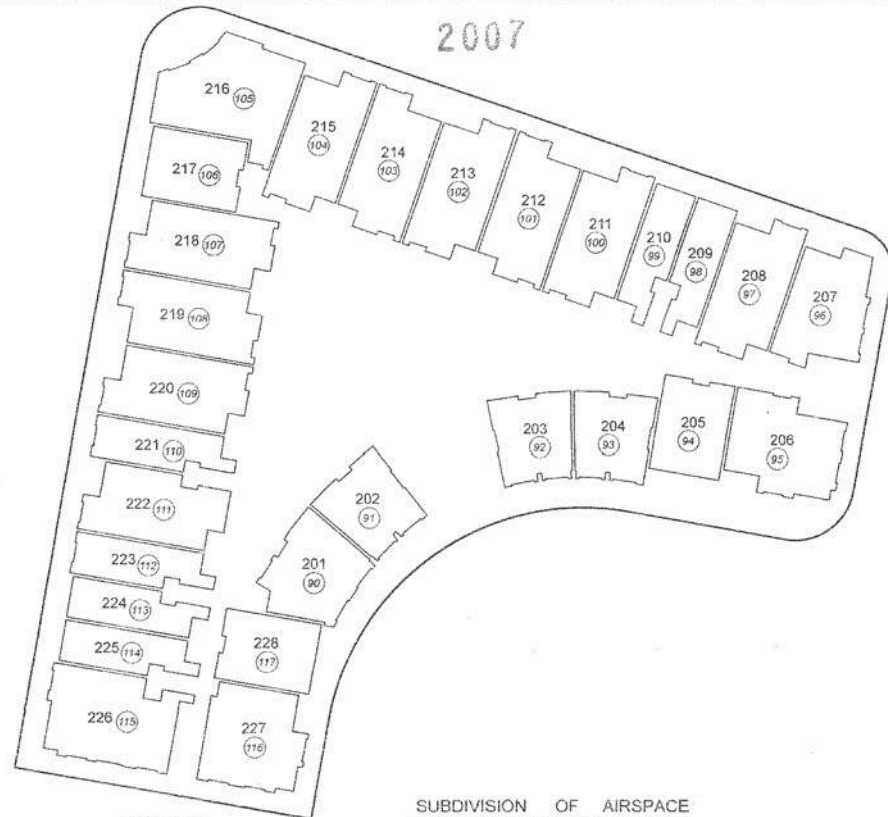
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AIRSPACE PLAN REFERENCE	COMMON AREA				SUBDIVISION OF AIRSPACE SHEET(S)
	TRACT NO	BLK	LOTS	TYPE	
#574357 3-17-06	61840	-	1	CONDO	2 TO 6
#574358 3-17-06	61848	-	1	CONDO	PG 24 SHTS 1 TO 6



SUBDIVISION OF AIRSPACE
 CONDOMINIUM TRACT NO 61840
 FOR COMMON AREA SEE SHEET 1
 SEE RECORDED CONDOMINIUM PLAN FOR ELEVATIONS OF UNITS
 FOR TYPICAL BUILDING DETAILS SEE SHEET 6



3RD LEVEL

SUBDIVISION OF AIRSPACE
CONDOMINIUM TRACT NO 61840
FOR COMMON AREA SEE SHEET 1
SEE RECORDED CONDOMINIUM PLAN FOR ELEVATIONS OF UNITS
FOR TYPICAL BUILDING DETAILS SEE SHEET 6



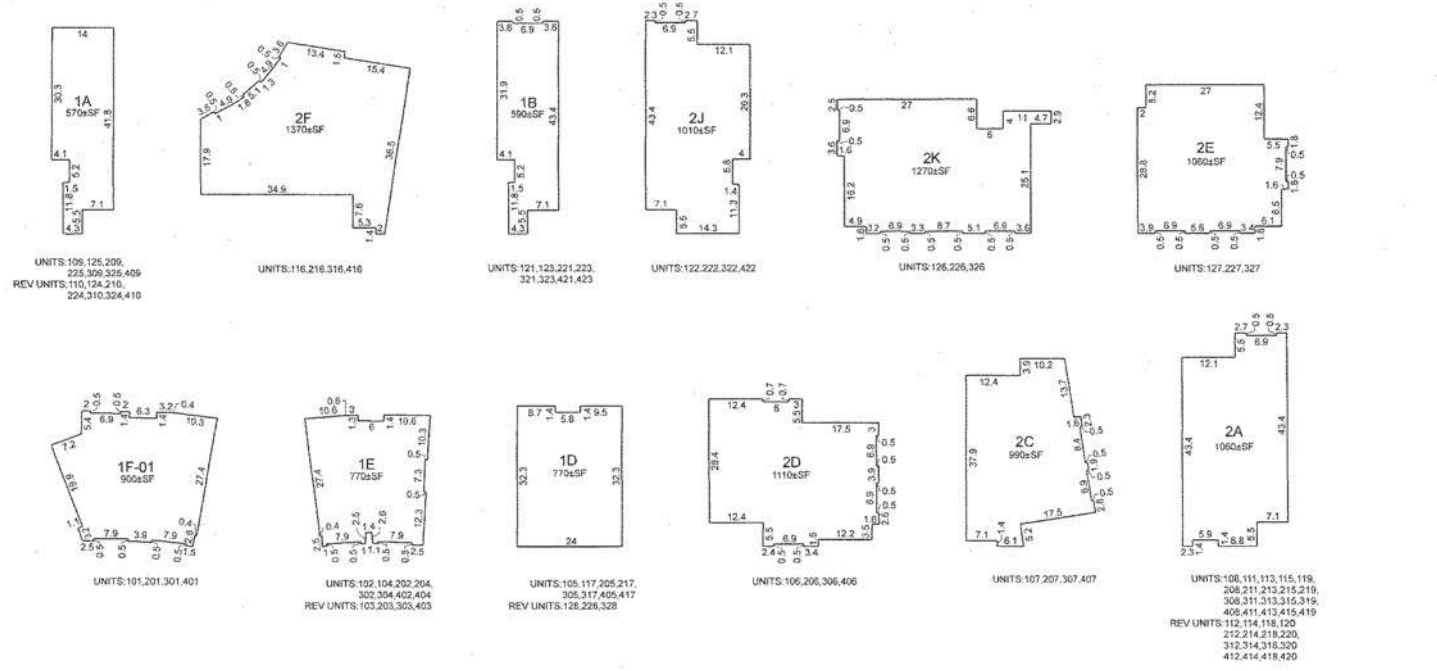
SUBDIVISION OF AIRSPACE
CONDOMINIUM TRACT NO 61840
FOR COMMON AREA SEE SHEET 1
SEE RECORDED CONDOMINIUM PLAN FOR ELEVATIONS OF UNITS
FOR TYPICAL BUILDING DETAILS SEE SHEET 5



SUBDIVISION OF AIRSPACE
CONDOMINIUM TRACT NO 61840
FOR COMMON AREA SEE SHEET 1
SEE RECORDED CONDOMINIUM PLAN FOR ELEVATIONS OF UNITS
FOR TYPICAL BUILDING DETAILS SEE SHEET 6

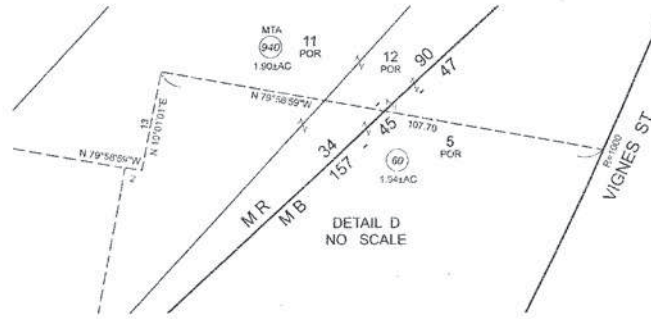
2008

TYPICAL BUILDING DETAILS



SUBDIVISION OF AIRSPACE
CONDOMINIUM TRACT NO 61840
SOME RECORDED DIMENSIONS DO NOT BALANCE OR AGREE WITH ADJOINING UNITS

2007



MAPPING AND GIS
SERVICES

**EDR ENVIRONMENTAL LIEN AND
AUL SEARCH REPORT**

800 North Alameda Street

800 North Alameda Street
Los Angeles, CA 90012

Inquiry Number: 4903788.7
April 12, 2017

EDR Environmental Lien and AUL Search

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

800 North Alameda Street
800 North Alameda Street
Los Angeles, CA 90012

RESEARCH SOURCE

Source 1:

LA Recorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed: deed
Title is vested in: LACMT
Title received from: Prologis Logistics Services Inc
Deed Dated: 4/14/2011
Deed Recorded: 4/15/2011
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: See Exhibit

Legal Current Owner: LACMT

Parcel # / Property Identifier: 5409-023-941

Comments: See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found Not Found

Deed Exhibit 1

This page is part of your document - DO NOT DISCARD



20110546398



Pages:
0017

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

04/15/11 AT 08:00AM

FEES:	0.00
TAXES:	NFPR
OTHER:	0.00
PAID:	NFPR



LEADSHEET



201104150250005

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SEQ:
03

DAR - Title Company (Hard Copy)



THIS FORM IS NOT TO BE DUPLICATED

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RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:

Munger, Tolles & Olson LLP
355 South Grand Avenue, 35th Floor
Los Angeles, California 90071
Attention: Brian R. Hochleutner, Esq.



MAIL TAX STATEMENT TO:

Los Angeles County Metropolitan
Transportation Authority
One Gateway Plaza
Los Angeles, California 90012-2952
Attn: Velma Marshall

(Space Above Line for Recorder's Use Only)

GRANT DEED

**TRANSFER TAX
NOT A PUBLIC RECORD**

In accordance with Section 11932 of the California Revenue and Taxation Code, Grantor has declared the amount of the transfer tax that is due by a separate statement which is not being recorded with this Grant Deed.

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, PROLOGIS LOGISTICS SERVICES INCORPORATED, a Delaware corporation ("Grantor"), hereby GRANTS to LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY, a California county transportation authority existing under the authority of Section 130050.2 et seq. of the California Public Utility Code ("Grantee"), all that certain real property situated in the City of Los Angeles, County of Los Angeles, State of California, described on Exhibit A which is attached hereto and by this reference incorporated herein (the "Property").

TO HAVE AND TO HOLD the Property with all the rights, privileges and appurtenances thereto belonging, or in any way appertaining, unto the said Grantee and Grantee's successors and assigns.

SUBJECT TO: (a) a lien not yet delinquent for non-delinquent real property taxes, (b) all easements, covenants, conditions, restrictions and other matters of record as of the date hereof, and (c) all matters disclosed by an ALTA/ACSM survey made by SITE TECH INC. on March 18, 2011, designated Job Number 201100344,001.

It is the intent of Grantor and Grantee that the fee title to the Property, on the one hand, and the easements and other rights in the Property or any portion thereof under the agreements and documents described on Exhibit B attached hereto and by this reference incorporated herein, on the other hand, shall not merge, but shall be kept separate and distinct.

[signatures on following pages]

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IN WITNESS HEREOF, Grantor has caused this instrument to be executed effective as of April 14, 2011

PROLOGIS LOGISTICS SERVICES INCORPORATED,
a Delaware corporation

By: *Edward S. Neloff*
Name: Edward S. Neloff
Title: General Counsel
and Secretary

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STATE OF COLORADO

CITY/COUNTY OF DENVER

The foregoing instrument was acknowledged before me this 13 day of April, 2011, by Edward S. Nekritz as General Counsel & Secretary of ProLogis Logistics Services Incorporated, a Delaware corporation, on behalf of said corporation.




Notary Public
My Commission Expires: 8-19-2013

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CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in the real property conveyed by the foregoing Grant Deed from PROLOGIS LOGISTICS SERVICES INCORPORATED, a Delaware corporation ("Grantor"), to the LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY, a California county transportation authority existing under the authority of Section 130050.2 et seq. of the California Public Utility Code ("Grantee"), is hereby accepted by the undersigned on behalf of Grantee pursuant to authority conferred by resolution of the Board of Directors of Grantee, and Grantee hereby consents to the recordation of this Grant Deed by its duly authorized officer.

Dated this 14 day of April, 2011

By: Arthur T. Leahy
Name: Arthur T. Leahy
Title: Chief Executive Officer

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STATE OF CALIFORNIA)
) ss:
COUNTY OF LOS ANGELES)

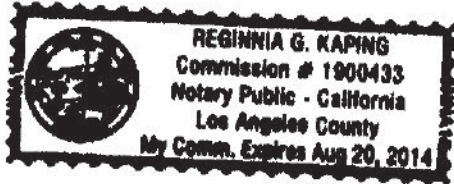
On April 11th, 2011 before me, Reginnia G. Kaping (here insert name of the officer), Notary Public, personally appeared Arthur T. Leahy, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Reginnia G. Kaping

Signature of Notary Public



[Seal]

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EXHIBIT A TO GRANT DEED

LEGAL DESCRIPTION OF PROPERTY

All that certain real property in the City of Los Angeles, County of Los Angeles, State of California more particularly described as follows:

ALL OF GRANTOR'S UNDIVIDED 100% FEE SIMPLE OWNERSHIP INTEREST IN AND TO PARCELS A, B, C, C-1 AND D;

ALL OF GRANTOR'S UNDIVIDED 56% FEE SIMPLE OWNERSHIP IN AND TO PARCEL E;

ALL OF GRANTOR'S EASEMENT ESTATE AS DESCRIBED IN PARCEL A-1 AND A-2;

SAID PARCELS A, A-1, A-2, B, C, C-1, D AND E DESCRIBED HEREIN BELOW:

PARCEL A:

THOSE PORTIONS OF LOTS 1, 2, 3, AND LOT A OF TRACT NO. 10151, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 157, PAGES 45, 46 AND 47 OF MAPS, RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY LINE OF SAID LOT 1, DISTANT THEREON SOUTH 10 DEGREES 01 MINUTES 01 SECONDS WEST 280.47 FEET FROM THE MOST NORTHERLY CORNER OF SAID LOT A; THENCE ALONG SAID WESTERLY LINE OF LOT 1 AND THE WESTERLY LINE OF LOT 2, SOUTH 10 DEGREES 01 MINUTES 01 SECONDS WEST 463.50 FEET TO A POINT DISTANT THEREON NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 566.33 FEET FROM THE SOUTHWESTERLY CORNER OF SAID LOT 2; THENCE SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 110.20 FEET; THENCE SOUTH 10 DEGREES 01 MINUTES 01 SECONDS WEST 371.78 FEET TO THE NORTHERLY LINE OF THE LAND DESCRIBED IN DEED TO METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, RECORDED MAY 31, 1996 AS INSTRUMENT NO. 96-858207 OF OFFICIAL RECORDS OF SAID COUNTY; THENCE ALONG SAID NORTHERLY LINE, SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 16.62 FEET TO AN ANGLE POINT THEREIN; THENCE ALONG THE WESTERLY, NORTHERLY AND EASTERLY LINES OF THE LAND DESCRIBED IN SAID DEED, THE FOLLOWING 9 COURSES:

1. NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 30.19 FEET;
2. SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 95.49 FEET;
3. NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 132.77 FEET;
4. SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 49.25 FEET;
5. NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 12.44 FEET;

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6. SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 34.77 FEET;
7. NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 117.77 FEET;
8. SOUTH 79 DEGREES 58 MINUTES 59 SECONDS EAST 326.60 FEET;
9. SOUTH 10 DEGREES 01 MINUTE 01 SECONDS WEST 434.05 FEET TO THE NON-TANGENT CURVED NORTHERLY LINE OF THE LAND DESCRIBED IN PARCEL 71955-1 (AMENDED) IN THE FINAL ORDER OF CONDEMNATION ENTERED IN LOS ANGELES COUNTY SUPERIOR COURT CASE NO. C416021, A CERTIFIED COPY OF WHICH WAS RECORDED MARCH 11, 1987 AS INSTRUMENT NO. 87-366265 OF OFFICIAL RECORDS OF SAID COUNTY, SAID NON-TANGENT CURVE, BEING CONCAVE TO THE NORTH, HAVING A RADIUS OF 970.00 FEET, AND TO WHICH BEGINNING A RADIAL LINE BEARS SOUTH 07 DEGREES 34 MINUTES 13 SECONDS WEST;

THENCE ALONG SAID NORTHERLY LINE THE FOLLOWING THREE COURSES:

1. EASTERLY 128.18 FEET ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 07 DEGREES 34 MINUTES 17 SECONDS
2. NORTH 89 DEGREES 59 MINUTES 56 SECONDS EAST 140.00 FEET TO THE BEGINNING OF A CURVE, CONCAVE TO THE SOUTH, AND HAVING A RADIUS OF 4,330.00 FEET
3. EASTERLY 38.55 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00 DEGREES 30 MINUTES 36 SECONDS, TO A LINE PARALLEL WITH AND 936.12 FEET EASTERLY OF THE WESTERLY LINE OF SAID LOTS 1 AND 2

THENCE ALONG SAID PARALLEL LINE, NORTH 10 DEGREES 01 MINUTES 01 SECONDS EAST 1066.49 FEET TO THE NORTHERLY LINE OF SAID LOT A; THENCE NORTH 71 DEGREES 09 MINUTES 27 SECONDS WEST 226.65 FEET ALONG SAID NORTHERLY LINE TO A POINT DISTANT EASTERLY 720.68 FEET FROM SAID MOST NORTHERLY CORNER OF LOT A; THENCE SOUTH 10 DEGREES 04 MINUTES 22 SECONDS WEST 144.08 FEET TO THE BEGINNING OF A CURVE, CONCAVE TO THE NORTHWEST, AND HAVING A RADIUS 15.00 FEET; THENCE SOUTHWESTERLY 23.55 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 89 DEGREES 57 MINUTES 06 SECONDS; THENCE NORTH 79 DEGREES 58 MINUTES 32 SECONDS WEST 340.00 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHEASTERLY, AND HAVING A RADIUS OF 20.00 FEET; THENCE NORTHWESTERLY 31.42 FEET ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 90 DEGREES 00 MINUTES 00 SECONDS; THENCE NORTH 10 DEGREES 01 MINUTES 28 SECONDS EAST 174.05 FEET TO THE BEGINNING OF A CURVE, CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 15.00 FEET, AND BEING TANGENT AT ITS EASTERLY TERMINUS WITH THAT CERTAIN COURSE IN THE SOUTHERLY LINE OF CESAR E. CHAVEZ AVENUE, FORMERLY MACY STREET, AS DESCRIBED IN DEED RECORDED IN BOOK 15023 PAGE 318, OFFICIAL RECORDS OF SAID COUNTY, SAID CERTAIN COURSE HAVING A RECITED LENGTH OF 216.51 FEET; THENCE NORTHEASTERLY 25.18 FEET ALONG

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SAID CURVE, THROUGH A CENTRAL ANGLE OF 96 DEGREES 10 MINUTES 14 SECONDS TO SAID CERTAIN COURSE; THENCE ALONG THE NORTHERLY PROLONGATION OF A RADIAL LINE THROUGH SAID TERMINUS, NORTH 16 DEGREES 11 MINUTES 43 SECONDS EAST 5.66 FEET TO THE NORTHERLY LINE OF SAID LOT A; THENCE ALONG THE NORTHERLY LINE OF SAID LOT A, NORTH 71 DEGREES 09 MINUTES 27 SECONDS WEST 93.82 FEET TO A LINE WHICH BEARS AT RIGHT ANGLES TO SAID NORTHERLY LINE AND WHICH PASSES THROUGH THE ANGLE POINT IN THE SOUTHERLY LINE OF CESAR E. CHAVEZ AVENUE, SAID ANGLE POINT BEING THE WESTERLY TERMINUS OF THAT CERTAIN COURSE IN SAID DEED HAVING A LENGTH OF 216.51 FEET; THENCE ALONG SAID LINE WHICH BEARS AT RIGHT ANGLES, SOUTH 18 DEGREES 50 MINUTES 33 SECONDS WEST 10.00 FEET TO SAID ANGLE POINT AND THE SOUTHERLY LINE OF SAID LOT A; THENCE ALONG SAID SOUTHERLY LINE, SOUTH 71 DEGREES 09 MINUTES 27 SECONDS EAST 0.32 TO THE BEGINNING OF A CURVE, CONCAVE SOUTHWESTERLY, AND HAVING A RADIUS OF 15.00 FEET; THENCE SOUTHEASTERLY 21.25 FEET ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 81 DEGREES 10 MINUTES 55 SECONDS; THENCE SOUTH 10 DEGREES 1 MINUTE 28 SECOND WEST 73.53 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHWESTERLY, AND HAVING A RADIUS OF 20.00 FEET; THENCE SOUTHWESTERLY 31.42 FEET ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 90 DEGREES 00 MINUTES 00 SECONDS; THENCE NORTH 79 DEGREES 58 MINUTES 32 SECONDS WEST 54.39 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 88.00 FEET; THENCE SOUTHWESTERLY 138.10 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 89 DEGREES 55 MINUTES 00 SECONDS; THENCE SOUTH 10 DEGREES 06 MINUTES 28 SECONDS WEST 33.74 FEET; THENCE NORTH 79 DEGREES 58 MINUTES 32 SECONDS WEST 110.57 FEET TO THE POINT OF BEGINNING.

SAID LAND IS SHOWN AS PARCEL 2 OF PARCEL MAP EXEMPTION NO. AA-2003-6883-PMEX, A CERTIFICATE OF COMPLIANCE FOR LOT LINE ADJUSTMENT RECORDED JANUARY 15, 2004 AS INSTRUMENT NO. 04-0105779, OF OFFICIAL RECORDS.

PARCEL A-1:

A NON-EXCLUSIVE EASEMENT FOR VEHICULAR AND PEDESTRIAN INGRESS, EGRESS AND PASSAGE FROM, IN, ON, OVER, UNDER AND ACROSS THAT PORTION OF LOT 2 OF TRACT NO. 10151, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 157 PAGES 45, 46 AND 47 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AS DESCRIBED ON EXHIBIT "B-2" OF THAT CERTAIN GRANT DEED RECORDED MAY 31, 1996 AS INSTRUMENT NO. 96-858207.

PARCEL A-2:

A NON-EXCLUSIVE EASEMENT FOR UTILITY PURPOSES INGRESS, EGRESS AND PASSAGE FROM, IN, ON, OVER, UNDER AND ACROSS THAT PORTION OF LOT 2 OF

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TRACT NO. 10151, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 157 PAGES 45, 46 AND 47 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AS DESCRIBED ON EXHIBIT "B-3" OF THAT CERTAIN GRANT DEED RECORDED MAY 31, 1996 AS INSTRUMENT NO. 96-858207.

PARCEL B:

LOTS 1, 2, 3, 7, 8, 9, 10, 13, 14, 15, 16, 18, 19, 20, 22, 24, 27, 28, 29, 31, 33, 36, 37, 38, 40, 42, 43, 44, 45, 48, 49, 50, 51, 52 and 53 OF TRACT NO. 51217, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 1287, PAGES 39 TO 62 INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL C:

THAT PORTION OF THE CITY LANDS, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON MAP RECORDED IN BOOK 2 PAGES 504 AND 505 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND TOGETHER WITH THAT PORTION OF LOT 5 OF THE "SUBDIVISION OF A PART OF THE ESTATE OF YNUARIO AVILA DEC' D", IN SAID CITY, COUNTY AND STATE AS PER MAP RECORDED IN BOOK 34 PAGE 90 OF MISCELLANEOUS RECORDS, IN SAID RECORDERS OFFICE, BEING THAT PORTION OF MACY (80.00 FEET WIDE) AS DESCRIBED IN THE DEEDS TO THE CITY OF LOS ANGELES, RECORDED APRIL 14, 1875, IN BOOK 34 PAGE 434 OF DEEDS, RECORDED MAY 15, 1897 AS INSTRUMENT NO. 36 IN BOOK 1160 PAGE 221 OF DEEDS, AND RECORDED MAY 18, 1897, AS INSTRUMENT NO. 40 IN BOOK 1154 PAGE 287 OF DEEDS, ALL IN SAID RECORDERS OFFICE AND BEING THOSE PORTIONS OF MACY STREET (FORMERLY KNOWN AS AVILA STREET) AS SHOWN AND DEDICATED ON SAID "SUBDIVISION OF A PART OF THE ESTATE OF YNUARIO AVILA DEC' D" NOW VACATED BY THE CITY OF LOS ANGELES ORDINANCE NO. 85810 ON FILE IN CITY CLERKS OFFICE OF SAID CITY MORE PARTICULARLY DESCRIBED AS A WHOLE AS FOLLOWS:

LYING BETWEEN A HORIZONTAL PLANE LOCATED AT THE SPRINGING LINE OF THE MACY STREET SUBWAY STRUCTURE AS SHOWN ON PLANS NOS. DL-1383 AND DL-1384 ON FILE IN THE OFFICE OF THE CITY ENGINEER OF SAID CITY OF LOS ANGELES, SAID SPRINGING LINE BEING LOCATED AT AN ELEVATION OF 280.00 FEET ABOVE THE OFFICIAL DATUM PLANE OF THE CITY OF LOS ANGELES ADOPTED JULY 1, 1925, BY ORDINANCE NO. 52222 AND A HORIZONTAL PLANE AT AN ELEVATION OF 327.00 FEET ABOVE SAID OFFICIAL DATUM PLANE INCLUDED WITHIN THE VERTICAL PROJECTIONS OF THE HEREINAFTER DESCRIBED BOUNDARIES:

BEGINNING AT THE INTERSECTION OF THE NORTHWESTERLY LINE OF AVILA STREET, 60 FEET WIDE, WITH THE SOUTHWESTERLY LINE OF MACY STREET, AS SAID STREETS ARE SHOWN ON MAP OF TRACT NO. 10151, RECORDED IN BOOK 157

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PAGES 45, 46 AND 47 OF MAPS, RECORDS OF SAID COUNTY; THENCE NORTHWESTERLY ALONG THE SOUTHWESTERLY LINE OF MACY STREET, AS SHOWN ON SAID MAP OF TRACT NO. 10151, A DISTANCE OF 436.34 FEET TO THE FACE OF THE WEST PORTAL OF SAID SUBWAY STRUCTURE; THENCE NORTHEASTERLY AT RIGHT ANGLES TO SAID SOUTHWESTERLY LINE OF MACY STREET AND ALONG THE FACE OF SAID WEST PORTAL A DISTANCE OF 80 FEET TO A POINT IN THE NORTHEASTERLY LINE OF MACY STREET, AS SHOWN ON SAID MAP OF TRACT NO. 10151; THENCE SOUTHEASTERLY ALONG THE NORTHEASTERLY LINE OF MACY STREET, AS SHOWN ON MAP OF SAID TRACT NO. 10151 A DISTANCE OF 504.50 FEET TO THE FACE OF THE EAST PORTAL OF SAID SUBWAY STRUCTURE; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO SAID NORTHEASTERLY LINE, ALONG THE FACE OF SAID EAST PORTAL TO THE SOUTHEASTERLY PROLONGATION OF THE SOUTHWESTERLY LINE OF MACY STREET AS SHOWN ON SAID MAP OF TRACT NO. 10151; THENCE NORTHWESTERLY ALONG SAID PROLONGED LINE 7.64 FEET TO THE SOUTHEASTERLY LINE OF SAID AVILA STREET:

THENCE SOUTHWESTERLY ALONG SAID SOUTHEASTERLY LINE OF AVILA STREET TO A POINT IN A LINE PARALLEL WITH AND DISTANT 10 FEET SOUTHWESTERLY MEASURED AT RIGHT ANGLES FROM SAID SOUTHEASTERLY PROLONGATION OF THE SOUTHWESTERLY LINE OF MACY STREET; THENCE NORTHWESTERLY ALONG SAID PARALLEL LINE TO THE NORTHWESTERLY LINE OF SAID AVILA STREET; THENCE NORTHEASTERLY ALONG SAID NORTHWESTERLY LINE TO THE POINT OF BEGINNING.

EXCEPTING THAT SPACE BETWEEN SAID HORIZONTAL PLANE AT ELEVATION OF 280.00 FEET AND THE SOFFIT OF SAID STRUCTURE AS SHOWN ON SAID PLANS.

PARCEL C-1:

THAT CERTAIN PARCEL OF LAND SITUATED IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, BEING LOT "A" OF TRACT NO. 10151, IN SAID CITY, COUNTY AND STATE, AS PER MAP RECORDED IN BOOK 157 PAGES 45, 46, AND 47 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM ANY PORTION LYING WESTERLY OF THE EASTERLY BOUNDARY LINE OF PARCEL 2 OF PARCEL MAP EXEMPTION NO. AA-2003-6883-PMEX, A CERTIFICATE OF COMPLIANCE RECORDED JANUARY 15, 2004 AS INSTRUMENT NO. 04-0105779, OF OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM, THAT PORTION THAT LIES WITHIN THE BOUNDARIES OF THE ABOVE DESCRIBED PARCEL C, IF ANY.

PARCEL D:

THOSE PORTIONS OF THE R.M. BAKER TRACT, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN

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BOOK 60 PAGE 11 OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THOSE PORTIONS OF THE BAUCHET TRACT, IN SAID CITY, COUNTY AND STATE, AS PER MAP RECORDED IN BOOK 37 PAGES 29 AND 30 OF MISCELLANEOUS RECORDS, IN SAID RECORDERS OFFICE, TOGETHER WITH THOSE PORTIONS OF THE SEPULVEDA VINEYARD TRACT, IN SAID CITY, COUNTY, AND STATE, FILED IN CASE NO. 33773 SUPERIOR COURT, LOS ANGELES COUNTY, A CERTIFIED COPY OF WHICH IS RECORDED IN BOOK I422 PAGE 193 OF DEEDS IN SAID RECORDERS OFFICE, TOGETHER WITH THOSE PORTIONS OF TRACT NO. 183, IN SAID CITY, COUNTY AND STATE, AS PER MAP RECORDED IN BOOK 15 PAGE 168 OF MAPS, TOGETHER WITH THOSE PORTIONS OF THE GARDEN OF FRANK SABICHI ESQ. IN SAID CITY, COUNTY, AND STATE, AS PER MAP RECORDED IN BOOK 3 PAGE 9 OF MISCELLANEOUS RECORDS IN SAID RECORDERS OFFICE AND TOGETHER WITH THOSE PORTIONS OF THE CITY LANDS, IN SAID CITY, COUNTY, AND STATE, AS SHOWN ON MAP RECORDED IN BOOK 2 PAGES 504 AND 505 OF MISCELLANEOUS RECORDS, IN SAID RECORDERS OFFICE, DESCRIBED AS A WHOLE AS FOLLOWS:

BEGINNING AT THE MOST SOUTHERLY CORNER OF LOT 3 OF SAID R.M. BAKER TRACT; THENCE NORTHWESTERLY ALONG THE SOUTHWESTERLY LINES OF LOTS 3 TO 16 INCLUSIVE OF SAID R.M. BAKER TRACT TO A POINT, SAID POINT BEING DISTANCE THEREON SOUTH 71 DEGREES 03 MINUTES 10 SECONDS EAST 19.35 FEET FROM THE MOST SOUTHERLY CORNER OF LOT 17 OF SAID R.M. BAKER; THENCE NORTH 31 DEGREES 42 MINUTES 00 SECONDS EAST 175.95 FEET TO A POINT IN THE NORTHERLY LINE OF LOT 63 OF SAID BAUCHET TRACT, SAID LAST MENTIONED POINT BEING DISTANT THEREON SOUTH 87 DEGREES 20 MINUTES 10 SECONDS EAST 24.03 FEET FROM THE NORTHWEST CORNER OF SAID LOT 63; THENCE CONTINUING NORTH 31 DEGREES 42 MINUTES 00 SECONDS EAST TO THE SOUTHEASTERLY PROLONGATION OF THE NORTHEASTERLY LINE OF LOT 50 OF SAID BAUCHET TRACT; THENCE ALONG SAID NORTHEASTERLY LINE AND ITS PROLONGATION THEREOF NORTH 48 DEGREES 31 MINUTES 40 SECONDS WEST TO THE MOST NORTHERLY CORNER OF SAID LOT 50; THENCE NORTHEASTERLY ALONG NORTHWESTERLY LINES OF LOTS 30, 31, 32, 33, 47, 48, AND 49 OF SAID BAUCHET TRACT AND IT'S PROLONGATIONS THEREOF TO AND ALONG THE SOUTHEASTERLY LINE OF THE LAND AS DESCRIBED IN THE DECREE ON DECLARATION OF TAKING ENTERED IN UNITED STATES DISTRICT COURT, SOUTHERN DISTRICT OF CALIFORNIA, CENTRAL DIVISION CASE NO. 12792-WB CIVIL, A CERTIFIED COPY OF WHICH WAS RECORDED AUGUST 30, 1951 AS INSTRUMENT NO. 2857 IN BOOK 37112 PAGE 408 OF OFFICIAL RECORDS OF SAID COUNTY, AND AMENDMENT WAS ENTERED IN SAID CASE NO. 12792-WB CIVIL, A CERTIFIED COPY OF WHICH WAS RECORDED AUGUST 20, 1963, AS INSTRUMENT NO. 4499 IN BOOK D-2152 PAGE 291, OFFICIAL RECORDS OF SAID COUNTY, TO THE SOUTHEASTERLY PROLONGATION OF THE NORTHEASTERLY LINE OF THE LAND AS DESCRIBED IN THE DEED TO THE CITY OF LOS ANGELES RECORDED AUGUST 6, 1937, AS INSTRUMENT NO. 1103 OF OFFICIAL RECORDS OF SAID COUNTY; THENCE NORTHWESTERLY ON SAID LAST MENTIONED PROLONGATION TO THE SOUTHWESTERLY PROLONGATION OF THE NORTHWESTERLY LINE OF THE LAND AS DESCRIBED IN PARCEL 50 IN THE FINAL ORDER OF CONDEMNATION ENTERED

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IN THE LOS ANGELES COUNTY SUPERIOR COURT CASE NO. 400042, A CERTIFIED COPY OF WHICH WAS RECORDED SEPTEMBER 16, 1939 AS INSTRUMENT NO. 1179 IN BOOK 14331 PAGE 376 OF OFFICIAL RECORDS OF SAID COUNTY; THENCE NORTHEASTERLY ALONG SAID NORTHWESTERLY LINE AND IT'S PROLONGATIONS THEREOF TO THE SOUTHWESTERLY LINE OF LOT D OF SAID SEPULVEDA VINEYARD TRACT; THENCE NORTHWESTERLY ALONG SAID LAST MENTIONED SOUTHWESTERLY LINE TO THE MOST SOUTHERLY CORNER OF LOT 3 OF SAID GARDEN OF FRANK SABICHI ESQ.; THENCE NORTHWESTERLY AND EASTERLY ALONG THE SOUTHWESTERLY AND NORTHERLY LINES OF SAID LOT 3 TO AN ANGLE POINT IN THE NORTHERLY LINE LOT D OF SAID SEPULVEDA VINEYARD TRACT; THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID LOT D TO THE NORTHWEST CORNER OF LOT 1 OF TRACT NO. 27145, AS PER MAP RECORDED IN BOOK 720 PAGES 24 AND 25 OF MAPS, IN SAID RECORDERS OFFICE; THENCE ALONG THE BOUNDARIES OF SAID TRACT NO. 27145 AS FOLLOWS: SOUTH 34 DEGREES 41 MINUTES 14 SECONDS EAST 26.13 FEET, SOUTHWESTERLY ALONG A NON-TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 554.80 FEET, THROUGH CENTRAL ANGLE OF 16 DEGREES 30 MINUTES 00 SECONDS, AN ARC DISTANCE OF 159.77 FEET, SOUTHWESTERLY ALONG A COMPOUND CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 532.96 FEET THROUGH CENTRAL ANGLE OF 29 DEGREES 55 MINUTES 13 SECONDS, AN ARC DISTANCE OF 278.32 FEET, SOUTH 32 DEGREES 37 MINUTES 56 SECONDS WEST 150.35 FEET, SOUTH 24 DEGREES 51 MINUTES 06 SECONDS WEST 407.96 FEET, SOUTH 40 DEGREES 22 MINUTES 34 SECONDS EAST 272.89 FEET AND SOUTHEASTERLY ALONG A TANGENT CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 40.00 THROUGH CENTRAL ANGLE OF 67 DEGREES 58 MINUTES 25 SECONDS, AN ARC DISTANCE OF 47.45 FEET TO THE POINT OF TANGENCY WITH THE SOUTHEASTERLY LINE OF LOT 9 OF SAID BAUCHET TRACT; THENCE SOUTHWESTERLY ALONG THE SOUTHEASTERLY LINES OF LOTS 9, 11, 13, 15, 17, 19, 21, 23 AND 25 OF SAID BAUCHET TRACT TO A LINE THAT IS PARALLEL WITH DISTANCE 58.00 FEET WESTERLY MEASURED AT RIGHT ANGLES FROM THAT CERTAIN COURSE AS RECITED IN THE DEED TO THE CITY OF LOS ANGELES, RECORDED APRIL 22, 1938, AS INSTRUMENT NO. 999 OF OFFICIAL RECORDS OF SAID COUNTY AS HAVING A BEARING AND LENGTH OF SOUTH 02 DEGREES 58 MINUTES 20 SECONDS WEST 121.58 FEET AND IT'S PROLONGATIONS THEREOF; THENCE SOUTHERLY ALONG SAID PARALLEL LINE TO THE EASTERLY LINE OF LOT 36 OF SAID BAUCHET TRACT; THENCE SOUTHERLY ALONG THE EASTERLY LINES OF LOTS 36 AND 54 AND IT'S PROLONGATIONS THEREOF TO AND ALONG THE EASTERLY LINES OF LOTS 1, 2, 3 AND 4 OF SAID R. M. BAKER TRACT TO THE POINT OF BEGINNING.

EXCEPT THEREFROM THAT PORTION OF SAID LAND, DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST NORTHERLY CORNER OF LOT 17 OF SAID BAUCHET TRACT; THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF LOTS 13 AND 15 OF SAID BAUCHET TRACT TO THE MOST NORTHERLY CORNER OF SAID LOT 13; THENCE SOUTHEASTERLY ALONG THE NORTHEASTERLY LINE OF SAID LOT 13 TO THE MOST EASTERLY CORNER OF SAID LOT 13; THENCE

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SOUTHWESTERLY ALONG THE SOUTHEASTERLY LINES OF SAID LOTS 13 AND 15 TO A POINT, SAID POINT BEING DISTANCE THEREON 8.63 FEET NORTHEASTERLY FROM THE MOST SOUTHERLY CORNER OF SAID LOT 13; THENCE NORTHWESTERLY IN A DIRECT LINE TO A POINT IN THE NORTHEASTERLY LINE OF SAID LOT 17, SAID LAST MENTIONED POINT BEING DISTANCE THEREON 11.99 FEET FROM THE MOST NORTHERLY CORNER OF SAID LOT 17; THENCE NORTHWESTERLY IN A DIRECT LINE TO A POINT IN THE NORTHWESTERLY LINE OF SAID LOT 17, SAID LAST MENTIONED POINT BEING DISTANCE THEREON 5.44 FEET SOUTHWESTERLY FROM THE POINT OF BEGINNING; THENCE NORTHEASTERLY ALONG SAID NORTHWESTERLY LINE 5.44 FEET TO THE POINT OF BEGINNING.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND INCLUDED WITHIN LOT 46 OF SAID BAUCHET TRACT.

TOGETHER WITH THOSE PORTIONS OF BAUCHET STREET (60.00 FEET WIDE) AS SHOWN ON SAID MAP OF BAUCHET TRACT TITLE OF WHICH PASSES WITH LEGAL CONVEYANCE OF SAID LAND.

PARCEL E:

THOSE PORTIONS OF THE SEPULVEDA VINEYARD TRACT, IN THE CITY OF LOS ANGELES, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, FILED IN CASE NO. 33773 SUPERIOR COURT, LOS ANGELES COUNTY, A CERTIFIED COPY OF WHICH IS RECORDED IN BOOK 1422 PAGE 193 OF DEEDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER THOSE PORTIONS OF TRACT NO. 3801, IN SAID CITY, COUNTY, AND STATE, AS PER MAP RECORDED IN BOOK 40 PAGE 94 OF MAPS, IN SAID RECORDERS OFFICE, TOGETHER WITH THOSE PORTIONS OF THE CITY LANDS, IN SAID CITY, COUNTY AND STATE, AS SHOWN ON MAP RECORDED IN BOOK 2 PAGES 504 AND 505 OF MISCELLANEOUS RECORDS, IN SAID RECORDERS OFFICE, DESCRIBED AS A WHOLE AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF LOT A OF TRACT 3801, AS PER MAP RECORDED IN BOOK 40 PAGE 94 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY;

THENCE FROM SAID POINT OF BEGINNING NORTH 30° 04' 15" WEST ALONG THE EASTERLY LINE OF SAID LOT, A DISTANCE OF 21.64 FEET TO AN INTERSECTION WITH A CURVE CONCAVE TO THE NORTH AND HAVING A RADIUS OF 585.00 FEET, THE RADIAL LINE AT SAID POINT OF INTERSECTION BEARING NORTH 12° 43' 59" WEST, SAID POINT OF INTERSECTION ALSO BEING THE TRUE POINT OF BEGINNING;

THENCE WESTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 34.81 FEET TO A POINT OF TANGENCY WITH A LINE BEARING SOUTH 80° 40' 35" WEST, THE RADIAL LINE AT SAID POINT OF TANGENCY BEARING NORTH 9° 19' 25" WEST;

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THENCE SOUTH 80° 40' 35" WEST, A DISTANCE OF 359.74 FEET TO A POINT 52 FEET NORTHERLY MEASURED AT RIGHT ANGLES TO THE CENTER LINE OF ALHAMBRA AVENUE, VACATED;

THENCE SOUTH 63° 07' 30" WEST ALONG A LINE 52 FEET NORTHERLY OF AND PARALLEL TO SAID CENTER LINE OF ALHAMBRA AVENUE, VACATED, A DISTANCE OF 160.00 FEET TO AN ANGLE POINT;

THENCE NORTH 89° 43' 20" WEST, A DISTANCE OF 80.31 FEET TO A POINT 62.00 FEET NORTHERLY OF AND MEASURED AT RIGHT ANGLES TO THE CENTER LINE OF SAID ALHAMBRA AVENUE, VACATED;

THENCE SOUTH 83° 07' 30" WEST ALONG A LINE 62.00 FEET NORTHERLY OF AND PARALLEL TO SAID CENTER LINE OF ALHAMBRA AVENUE, VACATED, A DISTANCE OF 127.57 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH AND HAVING A RADIUS OF 593.00 FEET, THE RADIAL LINE AT SAID BEGINNING OF CURVE BEARING NORTH 6° 52' 30" WEST;

THENCE WESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 18° 10' 00", AN ARC DISTANCE OF 188.02 FEET;

THENCE TANGENT TO SAID CURVE SOUTH 64° 57' 30" WEST 151.33 FEET TO A POINT IN THE WESTERLY LINE OF ALHAMBRA AVENUE, VACATED;

THENCE SOUTH 46° 59' 40" SECONDS WEST ALONG SAID WESTERLY LINE OF DISTANCE OF 59.80 FEET TO THE SOUTHERLY LINE OF ALHAMBRA AVENUE, VACATED;

THENCE NORTH 83° 07' 30" EAST ALONG SAID SOUTHERLY LINE TO THE EASTERLY TERMINUS OF THAT CERTAIN COURSE IN THE NORTHERLY LINE OF LOT 1 OF TRACT 27145, AS PER MAP RECORDED IN BOOK 720 PAGES 24 AND 25 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, SHOWN AS HAVING A LENGTH OF 498.09 FEET;

THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 1 BEING A CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 543.14 FEET, AN ARC DISTANCE OF 265.72 FEET TO THE NORTHWESTERLY LINE OF LOT 10 OF TRACT 10151, AS PER MAP RECORDED IN BOOK 157 PAGES 45 TO 47 INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY;

THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF SAID LOT 10 TO THE SOUTHERLY LINE OF ALHAMBRA AVENUE, VACATED;

THENCE NORTH 88° 07' 30" EAST ALONG SAID SOUTHERLY LINE AND ITS PROLONGATION THEREOF TO THE WESTERLY BOUNDARY OF THE OFFICIAL BED OF LOS ANGELES RIVER AS ESTABLISHED BY THE CITY OF LOS ANGELES ORDINANCE NO. 287 (O.S.) ON FILE IN THE CITY OF LOS ANGELES CLERK OFFICE;

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THENCE NORTHERLY ALONG SAID WESTERLY BOUNDARY TO THE NORTHERLY LINE OF ALHAMBRA AVENUE NOW VACATED;

THENCE WESTERLY ALONG SAID NORTHERLY LINE TO THE NORTHEASTERLY LINE OF BLOOM STREET NOW VACATED;

THENCE NORTH 30° 04' 15" WEST ALONG THE NORTHEASTERLY LINE OF SAID BLOOM STREET VACATED, TO THE EASTERLY INTERSECTION OF THAT CERTAIN CURVE HEREINBEFORE MENTIONED HAVING A RADIUS OF 585.00 FEET;

THENCE WESTERLY ALONG THE ARC OF SAID CURVE TO THE TRUE POINT OF BEGINNING.

APNs: 5409-023-048, 5409-023-054, 5409-023-060, 5409-023-061, 5409-023-906, 5409-023-926 & 5409-023-932 (As to Parcels A, B, & C); and 5409-015-009, 5409-015-010, 5409-015-014, 5409-015-906 , 5409-015-914, 5409-014-905 & 5409-014-012 (as to Parcel D); 5409-010-901, 5409-012-908 & 5409-014-904 (as to Parcel E)

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EXHIBIT B TO GRANT DEED

EASEMENT AGREEMENTS AND DOCUMENTS

1. That certain Easement, Construction License and Right of Entry Agreement, recorded in the Official Records of Los Angeles County ("Official Records") on May 4, 1994 as Instrument No. 94-860549, executed by Catellus Development Corporation and The Los Angeles County Metropolitan Transportation Authority, as amended by that certain Modification of Easement Agreements (Pasadena Light Rail), recorded May 31, 1996 as Instrument No. 96-858205 of Official Records, executed by Catellus Development Corporation and Los Angeles County Metropolitan Transportation Authority, and amended by that certain Modification of Easement Agreement (Pasadena Light Rail), recorded December 19, 2000 as Instrument No. 00-1975970 of Official Records, executed by Catellus Development Corporation and Los Angeles County Metropolitan Transportation Authority, as amended by that certain Third Modification of Easement Agreements, recorded March 29, 2004 as Instrument No. 04-0729662 of Official Records, executed by Catellus Operating Limited Partnership and Catellus Land and Development Corporation and Los Angeles County Metropolitan Transportation Authority, as amended by that certain Fourth Modification of Easement Agreement, recorded April 30, 2004 as Instrument No. 04-1081629 of Official Records, executed by Catellus Operating Limited Partnership and Los Angeles County Metropolitan Transportation Authority, as amended by that certain Grant and Assignment of Rights Under Easement Agreement, recorded September 1, 1999 as Instrument No. 99-1663781 of Official Records, executed by Los Angeles County Metropolitan Transportation Authority and Los Angeles to Pasadena Metro Blue Line Construction Authority and Los Angeles-Pasadena Metro Blue Line Governmental Purpose Property Trust, as amended by that certain Grant and Assignment of Rights Under Easement Agreement, recorded July 29, 2003 as Instrument No. 03-2154335 of Official Records, executed by Los Angeles to Pasadena Metro Blue Line Construction Authority and Los Angeles-Pasadena Metro Blue Line Governmental Purpose Property Trust and Los Angeles County Metropolitan Transportation Authority, as amended by that certain Grant and Assignment of Rights Under Easement Agreement, recorded August 18, 2003 as Instrument No. 03-2379964 of Official Records, executed by Los Angeles to Pasadena Metro Blue Line Construction Authority and Los Angeles - Pasadena Metro Blue Line Governmental Purpose Property Trust and Los Angeles County Metropolitan Transportation Authority.

2. That certain Grant of Easements, recorded August 18, 1995 as Instrument No. 95-1353920 of Official Records, as amended by that certain First Amendment to Grant of Easements (Los Angeles Union Station Red Line Tunnel), recorded October 11, 2002 as Instrument No. 02-2396868 of Official Records.

**STATE OF CALIFORNIA, DIVISION OF OIL, GAS, AND
GEOHERMAL RESOURCES (DOGGR)**



Department of Conservation

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Lat: 34.06500, Long: -118.25352

Division of Oil, Gas & Geothermal Resources Well Finder

Find By Location

Find My Current Location

or

Street: 800 N Alameda St

City: Los Angeles

Zip: 90012 Find

Display a 1500 foot buffer

Buffer radius is limited to 10 mi (52800ft).

Find By API

Find By Lat, Long

Find By PLSS

Find By Oil/Gas Field

Data (Layers):

Notices & Permits

DOGGR Wells

Label: API# Well# Detailed

EPA Wells for Aquifer Exemption Review

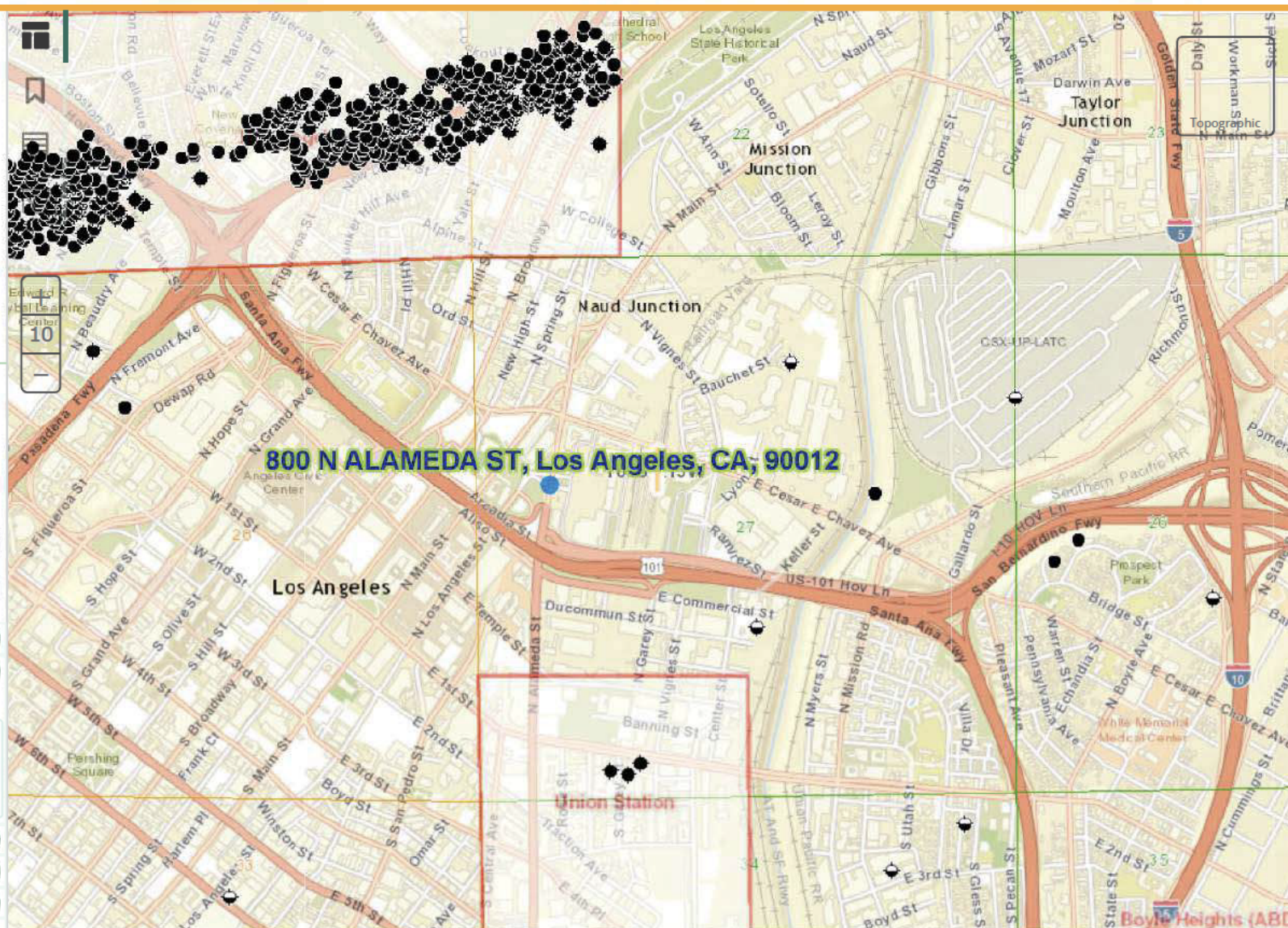
Enhanced Oil Recovery Wells

Disposal Wells

Oil/Gas Fields

California Geologic Map

DOGGR Districts



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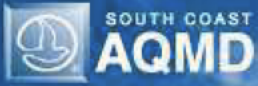
**SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT**



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91675	ALAMEDA AUTO SERVICE	520 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
148357	ALAMEDA MAIN LLC	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
134114	ALAMEDA MAIN LLC C/O YALE PROP. USA, INC	900 N ALAMEDA , LOS ANGELES, CA 90012			
130285	ALAMEDA MAIN, LLC.	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
148044	ALEXAN SAVOY APT	100 S ALAMEDA ST , LOS ANGELES, CA 90012			
144445	CALIFORNIA ENDOWMENT	1000 N ALAMEDA ST , LOS ANGELES, CA 90012			
56513	CHEVRON DLR, AMERICAN PERSONNEL SERV INC	901 N ALAMEDA ST , LOS ANGELES, CA 90012			
96437	CHEVRON USA PRODUCTS CO,JOE BEZERRA JR	901 N ALAMEDA , LOS ANGELES, CA 90012			
10403	CHEVRON USA SS #98815	901 N ALAMEDA , LOS ANGELES, CA 90012			
164393	CITY OF LOS ANGELES EL PUEBLO DE LOS ANG	845 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
82507	COOPER & BRAIN BREA	1603 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
154620	CORE SITE 900 ALAMEDA LP	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
166557	CORESITE REAL ESTATE 900 N, ALAMEDA, LLC	900 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
55558	EXXONMOBIL OIL CORPORATION	520 N ALAMEDA ST , LOS ANGELES, CA 90012			
143150	FIRST STREET LA, L.P.	100 S ALAMEDA ST , LOS ANGELES, CA 90012			
126565	HAWK II ENVIRONMENTAL CORP.	901 N ALAMEDA , LOS ANGELES, CA 90012			ACTIVE
130170	INFOMART	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
7232	LA CITY, PUB WKS DEPT, BUREAU PUB BLDG,	461 N ALAMEDA ST , LOS ANGELES, CA 90012			
29841	LA CO., ISD FLEET SERVICES	1055 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
167437	LOS ANGELES UNION STATION PLATFORM 7	800 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
139698	LPC UNION APTS LP/UNION STN VILLAGE	800 N ALAMEDA ST , LOS ANGELES, CA 90012			
124236	METROPOLITAN DETENTION CENTER	535 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
112509	METROPOLITAN WATER DIST OF SO CAL	700 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
117375	METROPOLITAN WATER DISTRICT	700 N ALAMEDA ST , LOS ANGELES, CA 90012			
27382	MOBIL DLR, RICHARD T. KAKU	520 N ALAMEDA , LOS ANGELES, CA 90012			



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164383	MOZAIC AT UNION STATION APARTMENTS	880 N ALAMEDA AVE , LOS ANGELES, CA 90012			ACTIVE
164373	MOZAIC AT UNION STATION APARTMENTS	888 N ALAMEDA AVE , LOS ANGELES, CA 90012			ACTIVE
4954	NATIONAL RAILROAD PASSENGER CORP	800 N ALAMEDA ST , LOS ANGELES, CA 90012			
155396	PHILIPPE THE ORIGINAL	1001 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
183106	RCC - REGIONAL CONNECTOR CONSTRUCTORS	105 S ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
152321	SAVOY COMMUNITY ASSOCIATION	100 S ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
182805	SKANSKA/TRAYLOR REGIONAL CONNECTOR CONST	105 ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
135066	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR	800 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
129705	SPRINT E SOLUTIONS	900 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
164386	TATA COMMUNICATIONS	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
164000	TATA TELECOMMUNICATIONS	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
152327	TCG/EURIS ALAMEDA, LP (WILSHIRE ANNEX)	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
131449	TELEGLOBE USA, INC.	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
11725	TEXACO DLR, CARRASCO BROS	1137 N ALAMEDA , LOS ANGELES, CA 90012			
145705	THE CALIFORNIA ENDOWMENT	1000 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE
129469	TYCO TELECOMMUNICATIONS (US) INC.	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
25005	U S GOVT POST OFFICE, TERMINAL ANNEX	900 N ALAMEDA ST , LOS ANGELES, CA 90012			
82537	US GOVT, JUSTICE DEPARTMENT	535 N ALAMEDA , LOS ANGELES, CA 90012			ACTIVE
135104	VERIZON GLOBAL NETWORKS, INC.	900 N ALAMEDA ST , LOS ANGELES, CA 90012			ACTIVE

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Facility Details

Facility ID 167437

Company Name LOS ANGELES UNION STATION PLATFORM 7

Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Status ACTIVE

Are there any back fees due?

Yes. Please contact your AQMD Customer Service Rep. at (909) 396-2900, or call toll-free (866) 888-8838.



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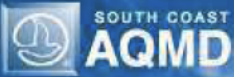
Equipment List

Facility ID 167437
Company Name LOS ANGELES UNION STATION PLATFORM 7
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
527331	G15213	10/5/2011	ACTIVE	Basic	I C E (>500 HP) EM ELEC GEN DIESEL	9/2/2011	PERMIT TO OPERATE GRANTED
521420				Basic	PLAN RULE 1166 (CONTAMINATED SOIL HAND.)	4/12/2011	INACTIVE PLAN, BILLABLE

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Compliance

Facility ID 167437
Company Name LOS ANGELES UNION STATION PLATFORM 7
Address 800 N ALAMEDA ST
LOS ANGELES, CA 90012

Notices Of Violaton: NONE

Notices To Comply: NONE



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Facility Details

Facility ID 139698
Company Name LPC UNION APTS LP/UNION STN VILLAGE
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Status INACTIVE

Are there any back fees due?

No.

SIC Code	Description
1794	EXCAVATING AND FOUNDATION WORK



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Equipment List

Facility ID 139698
Company Name LPC UNION APTS LP/UNION STN VILLAGE
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
426272				Basic	PLAN RULE 1166 (CONTAMINATED SOIL HAND.)	2/20/2004	BANKING/ PLAN GRANTED, NON BILLABLE

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Compliance

Facility ID 139698
Company Name LPC UNION APTS LP/UNION STN VILLAGE
Address 800 N ALAMEDA ST
LOS ANGELES, CA 90012

Notices Of Violaton: NONE

Notices To Comply: NONE



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Facility Details

Facility ID 4954
Company Name NATIONAL RAILROAD PASSENGER CORP
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Status OUT OF BUSINESS

SIC Code	Description
3743	RAILROAD EQUIPMENT



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 [Transportation](#)

Equipment List

Facility ID 4954
Company Name NATIONAL RAILROAD PASSENGER CORP
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
256982	D45099	11/18/1991	INACTIVE	Basic	SOIL TREAT VAPOR EXTRACT GASOLINE UNDER	10/9/1991	PERMIT TO OPERATE GRANTED
249580				Basic	PLAN RULE 1166 (CONTAMINATED SOIL HAND.)	5/24/1991	BANKING/ PLAN GRANTED, NON BILLABLE
C12535	M07909	4/3/1980	INACTIVE	Basic	BOILER OTH COMB G-O PS-200		PERMIT TO OPERATE GRANTED

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Compliance

Facility ID 4954
Company Name NATIONAL RAILROAD PASSENGER CORP
Address 800 N ALAMEDA ST
LOS ANGELES, CA 90012

Notices Of Violaton: NONE

Notices To Comply: NONE



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Facility Details

Facility ID 135066
Company Name SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR
Address 800 N ALAMEDA ST
LOS ANGELES, CA 90012

Status ACTIVE

Are there any back fees due?

No.



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Equipment List

Facility ID 135066
Company Name SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Appl_Nbr	Permit_Nbr	Issued_Date	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
410546	F58085	1/24/2003	INACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-DIESEL	1/8/2003	PERMIT TO OPERATE GRANTED

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Compliance

Facility ID 135066
Company Name SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90012

Notices Of Violation

<u>Notice Number</u>	<u>Notice Issue Date</u>	<u>Violation Date</u>	<u>Disposition Date</u>	<u>Disposition</u>
P52885	8/14/2009	8/6/2009	4/28/2010	Closed Case
P58677	8/31/2012	10/4/2011	1/2/2013	Void

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Notices To Comply

<u>Notice Number</u>	<u>Violation Date</u>	<u>Re-Inspection Date</u>	<u>Status</u>
C89070	3/11/2003	3/11/2003	In Compliance

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NOV/NC Details

Notice Number	P52885	Violation Date	8/6/2009	Issue Date	8/14/2009	Notice Type	NOV
---------------	--------	----------------	----------	------------	-----------	-------------	-----

Facility ID 135066

Company Name SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR

Address 800 N ALAMEDA
LOS ANGELES, CA 90012

Violation Description failure to provide engine operating log to District Personnell upon request,
failure to demonstrate compliance by providing emergency monthly log of usage

Equipment Description emergency IC engine

Follow Up Status **In Compliance**

Disposition **Closed Case**

Disposition Date 4/28/2010

Rule No.	Rule Description
1470	Requirements for Stationary Diesel-Fueled Internal Combustion and Other



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NOV/NC Details

Notice Number	P58677	Violation Date	10/4/2011	Issue Date	8/31/2012	Notice Type	NOV
---------------	--------	----------------	-----------	------------	-----------	-------------	-----

Facility ID 135066

Company Name SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR

Address 800 N ALAMEDA
LOS ANGELES, CA 90012

Violation Description Rule 203(a): Operation of an emergency ICE greater than 50 bhp without a valid AQMD Permit to Operate

Equipment Description

Follow Up Status **In Compliance**

Disposition **Void**

Disposition Date 1/2/2013

Rule No.	Rule Description
----------	------------------



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NOV/NC Details

Notice Number	C89070	Violation Date	3/11/2003	Issue Date	12/31/9999	Notice Type	NC
Facility ID	135066						
Company Name	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHOR						
Address	800 N ALAMEDA LOS ANGELES, CA 90012						
Violation Description	PROVIDE THE LOG BOOK FOR THE GENERATOR.						
Equipment Description							
Status	In Compliance						
Re-inspection Date	3/11/2003						

Rule No.	Rule Description
----------	------------------



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Facility Details

Facility ID 49752
Company Name AMTRAK
Address 800 N ALAMEDA ST
LOS ANGELES, CA 90013

Status ACTIVE

Are there any back fees due?

No.

SIC Code	Description
4011	RAILROAD, LINE-HAUL OPERATING



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Equipment List

Facility ID 49752
Company Name AMTRAK
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90013

Appl Nbr	Permit Nbr	Issued Date	Permit Status	Eg Type	Equip Description	Appl Date	Appl Status
254668	M97923	11/5/1991	INACTIVE	Basic	STORAGE TANK GASOLINE	8/12/1991	PERMIT TO OPERATE GRANTED

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Compliance

Facility ID 49752
Company Name AMTRAK
Address 800 N ALAMEDA ST
 LOS ANGELES, CA 90013

Notices Of Violation

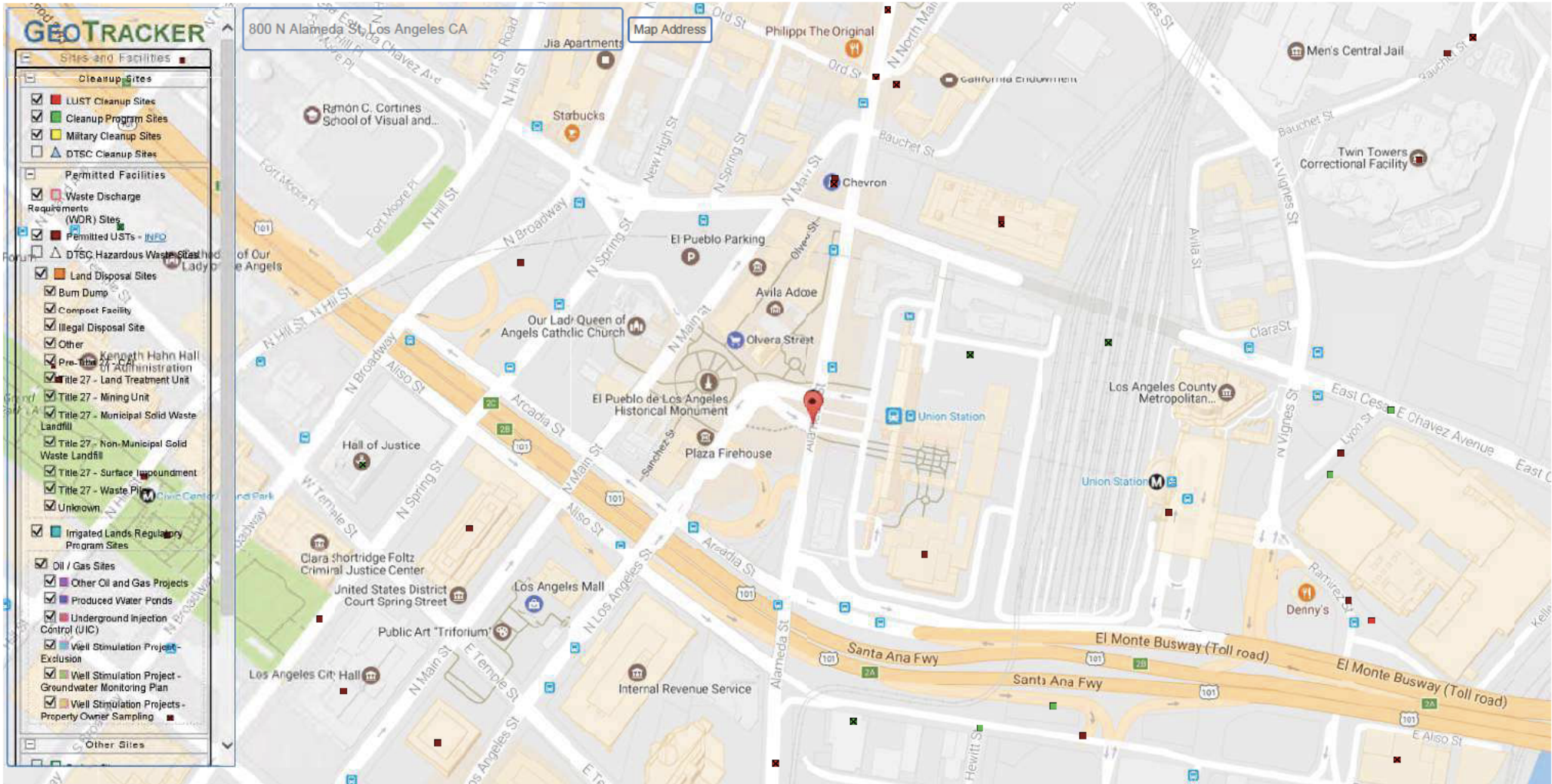
<u>Notice Number</u>	<u>Notice Issue Date</u>	<u>Violation Date</u>	<u>Disposition Date</u>	<u>Disposition</u>
L02265	7/18/1990	7/18/1990	11/6/1990	Closed Case
L08176	9/11/1992	9/1/1992	12/11/1992	Closed Case
L08215	4/22/1993	4/12/1993	8/21/1996	Closed Case
L08216	4/22/1993	4/13/1993	8/21/1996	Closed Case
L08219	5/4/1993	4/21/1993	8/21/1996	Closed Case
L08220	5/4/1993	4/26/1993	8/21/1996	Closed Case
L10028	7/29/1993	7/29/1993	8/21/1996	Closed Case
P40148	9/7/2004	8/26/2004	4/8/2005	Cancelled

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Notices To Comply: NONE

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CASE SUMMARY

REPORT DATE HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -

CREATED BY

UNKNOWN

UNKNOWN

III. SITE LOCATION

FACILITY NAMEFACILITY ID

METRO RAIL

FACILITY ADDRESSORIENTATION OF SITE TO STREET

UNION STATION

LOS ANGELES, CA 90023

CROSS STREET

LOS ANGELES COUNTY

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGANDATE DISCOVEREDHOW DISCOVEREDDESCRIPTIONDATE STOPPEDSTOP METHODDESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGECAUSE OF DISCHARGEDISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE

IX. REMEDIAL ACTION

NO REMEDIAL ACTIONS ENTERED

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN
 IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBERREGIONAL BOARD CASE NUMBER

0311

LOCAL AGENCY

UNKNOWN
REGIONAL BOARD
UNKNOWN

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Memo to File

Date 8/16/96

Subj: Site closure from SLIC List, SLIC # 311

Site Name: Metro Rail Site

The soil impacted with TPH, maximum concentration of 4,000 ppm was used for soil reuse on property under this Board's approval in 1990.

Thus, the case can be closed from the SLIC list and filed for information only.



J.E. Ross, Unit Chief
Site Cleanup Unit

REGIONAL BOARD CASE NUMBER

0904A

LOCAL AGENCY

UNKNOWN

REGIONAL BOARD

UNKNOWN

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Matthew Rodriguez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

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<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.
Governor

TO: File – SCP No. 0904A
Los Angeles Regional Water Quality Control Board

FROM: Samuel Unger *SU*
Executive Officer
Los Angeles Regional Water Quality Control Board

DATE: March 7, 2012

SUBJECT: **REVIEW OF BLUE/GOLD LINE PROJECT CLOSURE MEMORANDUM (SCP NO. 0904A, SITE ID NO. 204EG00)**

I have reviewed the document *Blue/Gold Line Authority Project Closure* memorandum (Memorandum) dated February 22, 2012, prepared by Los Angeles Regional Water Quality Control Board (Regional Board) staff. I concur with staff's recommendation in the Memorandum that the Blue/Gold Line Authority case be closed, without issuing a formal "No Further Action" letter to PA-041, effective immediately.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, the case for parcel PA-041 will be reopened for further investigation and/or remediation, as necessary.



Matthew Rodriguez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

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Edmund G. Brown Jr.
Governor

TO: File – SCP No. 0904A
Los Angeles Regional Water Quality Control Board

FROM: David Young
Engineering Geologist
Site Cleanup Program I

DATE: March 7, 2012

SUBJECT: **Blue/Gold Line Authority Project Closure (SCP NO. 0904A, SITE ID NO. 204EG00)**

The Blue/Gold Line construction project consists of 89 parcels, divided into 11 areas, running along the route of the Gold Line rail system. Phase 1 of the Metro Blue/Gold Line travels from downtown Los Angeles (Union Station) to Pasadena and eastward to Sierra Madre Villa along the 210 Pasadena Freeway. Phase 1 of the Gold Line was completed in early 2003 and has been in service since July 2003. During the Phase 1 preparation and construction in 1999, the Blue Line Construction Authority requested the Regional Board as the lead environmental oversight agency for needed investigation and cleanup of identified contamination. Based on the information submitted to the Regional Board at that time, the Regional Board management determined that there were three primary areas/parcels of concern: Parcel PA-018 (China Town Station), the Avenue 26 Station, and Parcel PA-041 (a parking lot).

1. PA-018 (SCP No. 0904B, Site ID No. 204BK00)

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The site is about 6 acres and is surrounded by land used for industrial and commercial purposes. The site was previously owned by the Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority. Following extensive investigation and remediation, the Regional Board issued a letter on February 20, 2003, indicating “No Further Action” required for Parcel PA-018 (Attachment A).

2. Avenue 26 Station

The Avenue 26 Station is located on the southwestern side of Avenue 26 in the city of Los Angeles. This parcel is approximately 300 feet by 100 feet. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site had been used for over 100 years as part of the railroad right-of-way prior to the Gold Line construction. Extensive investigation and remediation of impacted soils was completed in 2001, and the Regional Board issued a letter on June 28, 2002, indicating “No Further Action” required for Avenue 26 Station site (Attachment B).

3. PA-041

Parcel PA-041 is located adjacent to the 26th Avenue freeway off ramp from the north-bound Golden State Freeway (5), on the southwest side of Avenue 26. The parcel is approximately 0.845 acre. The site has been redeveloped into a parking lot for Metro Gold line passengers (Attachment C) since 2003. Formerly, the site was owned by the City of Los Angeles and used as a storage yard for street lighting fixtures. Several subsurface soil and groundwater investigations were completed at the site. Results of these investigations did not reveal evidence of significant impacts by the detected chemicals (mainly VOCs and TPH) at the site. Therefore, Regional Board staff determined that no additional investigation or remedial action was warranted at the site when it was developed into a parking lot in 2003.

Following redevelopment of Parcel PA-041, the Blue/Gold Line Authority indicated to Regional Board staff that no additional oversight was needed on the case and requested that Regional Board staff no longer charge oversight time to their cost recovery account. Therefore, a "No Further Action" letter and a case review form have not been prepared for Parcel PA-041.

For the last several years, Regional Board staff had repeatedly contacted the representatives of the Metro Gold Line Foothill Extension Construction Authority (no longer Blue/Gold Line Authority) for delinquent invoices for this project. They verbally requested the Regional Board provide no additional assistance for oversight of the parcels associated with Phase 1 of the Blue/Gold Line Metro project and that the project files and cost recovery account be closed. On January 10, 2012, all outstanding invoices for this project were paid (Attachment D) and account/site ID No. 204EG00 was closed accordingly.

In summary, Regional Board staff have determined that adequate investigation and/or cleanup has been completed at the referenced sites. Phase 1 of the Metro Gold Line route has been completed and the associated parcels have been redeveloped accordingly since 2003. Therefore, Regional Board staff recommends that the open Blue/Gold Line Authority case be closed without issuing a formal "No Further Action" letter to PA-041. This will enable staff to focus our limited resources on other high priority cases.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, staff recommends the case for parcel PA-041 be reopened for further investigation and/or remediation, as necessary.

Attachments: A. Parcel PA-018 No Further Action letter dated February 20, 2003
B. Aveue 26 No Further Action letter dated June 28, 2002
C. Parcel PA-041 Aerial Photograph
D. Invoice Report for Site ID No. 204EG00

cc: Samuel Unger, Executive Officer
Paula Rasmussen, Assistance Executive Officer
Art Heath, Remediation Section Chief
Su Han, Site Cleanup I Unit Chief



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Secretary for
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California Regional Water Quality Control Board

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February 20, 2003

Richard Thorpe
Chief Executive Officer
Metro Blue Line Construction Authority
625 Fair Oaks Avenue, Suite 200
South Pasadena, CA 91030

NO FURTHER ACTION-PARCEL PA-018, LOS ANGELES TO PASADENA BLUE LINE, 924 NORTH SPRING STREET, LOS ANGELES, CALIFORNINA (SLIC NO. 904B, BILLING ID 204BK00)

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received and reviewed the *Remedial Action Plan Implementation Summary and Site Closure Request* (Closure Report) dated November 21, 2002. A *Post-Remediation Human Health Risk Assessment* (Post-Remediation HRA) included with the Closure Report, was given to the Office of Environmental Health Hazard Assessment (OEHHA) for review. The purpose of this letter is to provide notice that no further action is required for cleanup or investigation of soil beneath Parcel PA-018 (Site). Upon review of the Closure Report and other information in our files, minor residual contaminants in soil at Parcel 18 do not pose a threat to groundwater quality. Furthermore, based on comments from OEHHA with respect to the Post-Remediation HRA, proposed development on the property, including residential use of the second floors and above, does not pose a significant threat to human health.

Background

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The Site was previously owned by Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority (Authority). The Site is about 6 acres and is surrounded by industrial and commercial use land.

Historically the Site has been used for a wood and coal yard, an oil warehouse, dwellings, and for small businesses. Since 1905 it was used as a rail freight yard, but it has been vacant since about 1970. Buildings at the Site were demolished in the late 1980s. A gasoline tank was removed in April 1987 with no evidence of leakage. Reports from 1989 indicate that the Site was used for the storage of tanks and shipping containers.

Several water-bearing zones underlie the Site, but there are no production wells within one mile of the property. The shallow semi-perched zone is about 30 ft below ground surface, and the groundwater flow direction is in a south-southwest direction.

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Groundwater in the southwestern portion of the Site has been impacted by heavy-end hydrocarbons (diesel-range and total recoverable petroleum hydrocarbons). Based on regional groundwater flow and documented historic service station operations at neighboring off-site properties, the groundwater contamination appears to be from off-site sources.

The Site is planned for development of a four-story building, with commercial, retail business on the lower level, and housing on the other three floors. There are no planned underground structures, green areas, or unpaved areas at the Site.

Remedial Action for Contaminants of Concern

In a letter dated August 27, 2002, the Regional Board approved the *Response to OEHHA Comments-Updated Remedial Action Plan Parcel PA-018* (Updated RAP) dated February 2002. A *Supplemental Human Health Risk Assessment*, included in the Updated RAP, was reviewed and approved by OEHHA, in a Memorandum to the Regional Board dated, July 23, 2002. The Updated RAP identified five areas at the Site that required remedial action, because the Contaminants of Concern (COCs) exceeded target cleanup goals for lead (greater than and/or equal to \geq 350 milligrams per kilogram [mg/kg]) and arsenic (\geq 10.8 mg/kg). In two areas, copper was elevated but below target cleanup goals and associated with lead in others.

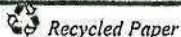
During excavation, a distinct layer of green clayey soil with a fibrous white material was observed between the top layer of dark brown soil containing various debris, and the deeper layer of light yellowish brown to light brown well graded sand with some well-rounded gravel and cobbles. The green soil layer varied from a few inches to approximately four feet thick, and was observed at depths ranging from 2 to 8 feet below grade. The green soil was analyzed for metals, volatile organic compounds (VOCs), and total petroleum hydrocarbons (TPH), and revealed arsenic ranging up to 134 mg/kg and lead up to 978 mg/kg. However, VOCs, TPH, or asbestos were not detected in these samples. Soil that was not green in color contained up to 7.58 mg/kg of arsenic.

Once the green soil was identified, excavation was continued outward radially and the excavated soil was placed in different stockpiles. The stockpile soil was sampled and analyzed for metals, VOCs, polychlorinated biphenyls (PCBs), pesticides, and TPH. Furthermore, this soil was also analyzed for Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP), for the purpose of classifying the soil as hazardous waste or not. Soluble lead (Pb) was up to 11.2 milligrams per liter (mg/L) (STLC Pb = 5 mg/L), and soluble arsenic (As) as up to 2.17 mg/L (STLC As = 5mg/L); measured TCLPs for arsenic and lead were found below the respective target values (TCLP arsenic = 5.0 mg/L; TCLP lead = 5 mg/L).

Soil was excavated until all visible green-colored soil was removed, which extended for about 126 feet by 680 feet and represented over 17,000 tons of material excavated and transported off-site (238 tons of hazardous waste were transported to the La Paz County Landfill, Parker City, Arizona; 12,200 tons of waste soil were transported to the Bradley Landfill, Sun Valley California and to Filter Recycling Services, Inc., Rialto, California; 3,100 tons of overburden soil, and 1,500 tons of concrete were transported to the NuWay facility, Irwindale, California). Excavation and soil removal continued up to two points in which the green soil appears to extend beyond the property boundary.

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Following a sampling plan, the excavation floor and the sides were analyzed for arsenic and lead, and results indicated that these analytes were at concentrations below clean up target levels. Confirmation soil samples were analyzed for Title 22 metals (USEPA Method 6010B/7471), mercury (USEPA 7471A), TPH as gasoline (USEPA Method 8015M), TPH carbon range (USEPA Method 8015-CCI), VOCs (USEPA Method 8260B), SVOCs (USEPA Method 8270C), and organochloride pesticides and PCBs (USEPA Method 8081A/8082). Analytical results for the above COCs indicated no concentrations above clean up levels established in the Updated RAP.

OEHHA Review of Closure Report and Post-Remediation Health Risk Assessment

In comments to the Regional Board from OEHHA received February 10, 2003, analytical data and health risk analyses presented in the Closure Report and Post-Remediation HRA, indicate that residual levels of hazardous contaminants at Parcel 18 are below levels of concern. Therefore, it was concluded by OEHHA that the Site will not pose any significant health threat to humans following the development of the property. OEHHA also noted that as long as the nature, extent, and severity of the contamination does not significantly depart from those identified at this Site, and the use of the land does not depart from the proposed use, the health risks associated with residual contamination left in soils at the Site will not exceed - and most likely will be less than - those estimated for the protection of human health.

No Further Action Required

Based on the information submitted in the Closure Report and on comments received from OEHHA in their Memorandum received February 10, 2003, and with the provision that information provided to this Regional Board is accurate and representative of conditions at the subject site, we have no further requirements for the property with respect to the Spills, Leaks, Investigation, and Cleanup Program at this time. Although minor residual levels of contaminants remain in soil beneath the subject site, additional cleanup is not required due to the low concentrations detected, which pose minimal threat to human health or groundwater quality. A written notification must be provided to the Regional Board within 72 hours should additional contamination be encountered during any future activities at the Site and also a written notification must be submitted to this Regional Board should a change of current land use be proposed. In addition, the jurisdiction requirements of other agencies, such as the United States Environmental Protection Agency, are not affected by this Regional Board's "No Further Action" determination. Such agencies may choose to make their own determination concerning this site.

We would like to take this opportunity to thank you for your full cooperation with this Regional Board during the course of the site assessment and soil remediation. **If you have any questions, please call Mr. J.T. Liu at (213) 576-6667 or Mr. David Young at (213) 576-6744.**

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Mr. Richard Thorpe
Blue Line Construction Authority

- 4 -

February 20, 2003

Sincerely,



Dennis A. Dickerson
Executive Officer

cc: Mr. Habib Balian, Metro Blue Line Construction Authority
Mr. John Harris, Richards, Watson & Gershon
Mr. Mark Bierei, Montgomery Watson
Mr. Frank Tam, Montgomery Watson
Ms. Chris Kinne, California Environmental Protection Agency

California Environmental Protection Agency

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Los Angeles Region



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June 28, 2002

Richard Thorpe
Chief Executive Officer
Metro Blue Line Construction Authority
625 Fair Oaks Ave, Suite 200
South Pasadena, CA 91030

**NO FURTHER ACTION - AVENUE 26 STATION SITE - LOS ANGELES TO PASADENA
BLUE LINE - (SLIC NO. 904A, PCA #204-BK)**

904e 204Eg

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received the "Response To Comments" letter dated April 30, 2002 and "Additional Information" letter with four attached figures (Figure 1 - 4 cross sections of soil remediation) dated May 24, 2002, from your consultant Bryan A. Stirrat and Associates (BAS).

The site is located on the southwestern side of Avenue 26 in the city of Los Angeles, California. The parcel is approximately 300 feet by 100 feet in dimension. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site has been used over the last 100 years as part of the railroad right-of-way.

The primary contaminants of concern identified at the site include heavy metals (lead and arsenic), and total petroleum hydrocarbons (TPH). The TPH constituents impacting the site are primarily diesel and heavy oils.

Site soils have been remediated during 2001 by excavation of impacted soil. Approximately 6,000 cubic yards was excavated and hauled from the site of which approximately 1,420 cubic yards of impacted soil was excavated and hauled to several different disposal and recycling facilities depending on the character of the impacted soil. The remaining 4,580 cubic yards of clean soil was reused onsite. Residual soil contaminant consisting of elevated lead in the mid-southeastern portion of the subject site (sample point A26-5) was left in place below 12 feet concrete foundation. The concrete foundation will isolate the elevated lead soil and limit any leaching potential to impact water quality. The site has been developed into a train station for the Metro Blue Line.

Upon review of the information contained in the case file, and the "Request for Site Closure, Avenue 26 Station Site" dated January 21, 2002, prepared by BAS, the Regional Board grants this site no further action, based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

If contaminated soils are encountered during future site construction activities, you are required to provide verbal notification to this Regional Board immediately and submit a follow-up written report to this Regional Board within 72 hours. In addition, appropriate health and safety measures must be fully

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Richard Thorpe
Metro Blue Line Construction Authority

- 2 -

June 28, 2002

implemented. Any contaminated soils that may be removed from the site shall be removed only to a legal point of disposal.

If you have any questions concerning this letter, please feel free to call Dr. Rebecca Chou at (213) 576-6733.

Sincerely,




Dennis A. Dickerson
Executive Officer

cc: Mr. Robert Sams, State Water Resources Control Board
Mr. Michael Lauffer, State Water Resources Control Board
Mr. Habib Balian, Metro Blue Line Construction Authority
Mr. John Harris, Richards, Watson & Gershon
Mr. Mark Bierei, Montgomery Watson
Mr. Frank Tam, Montgomery Watson
Mr. Robert Hereti, City of Los Angeles Planning Department

California Environmental Protection Agency

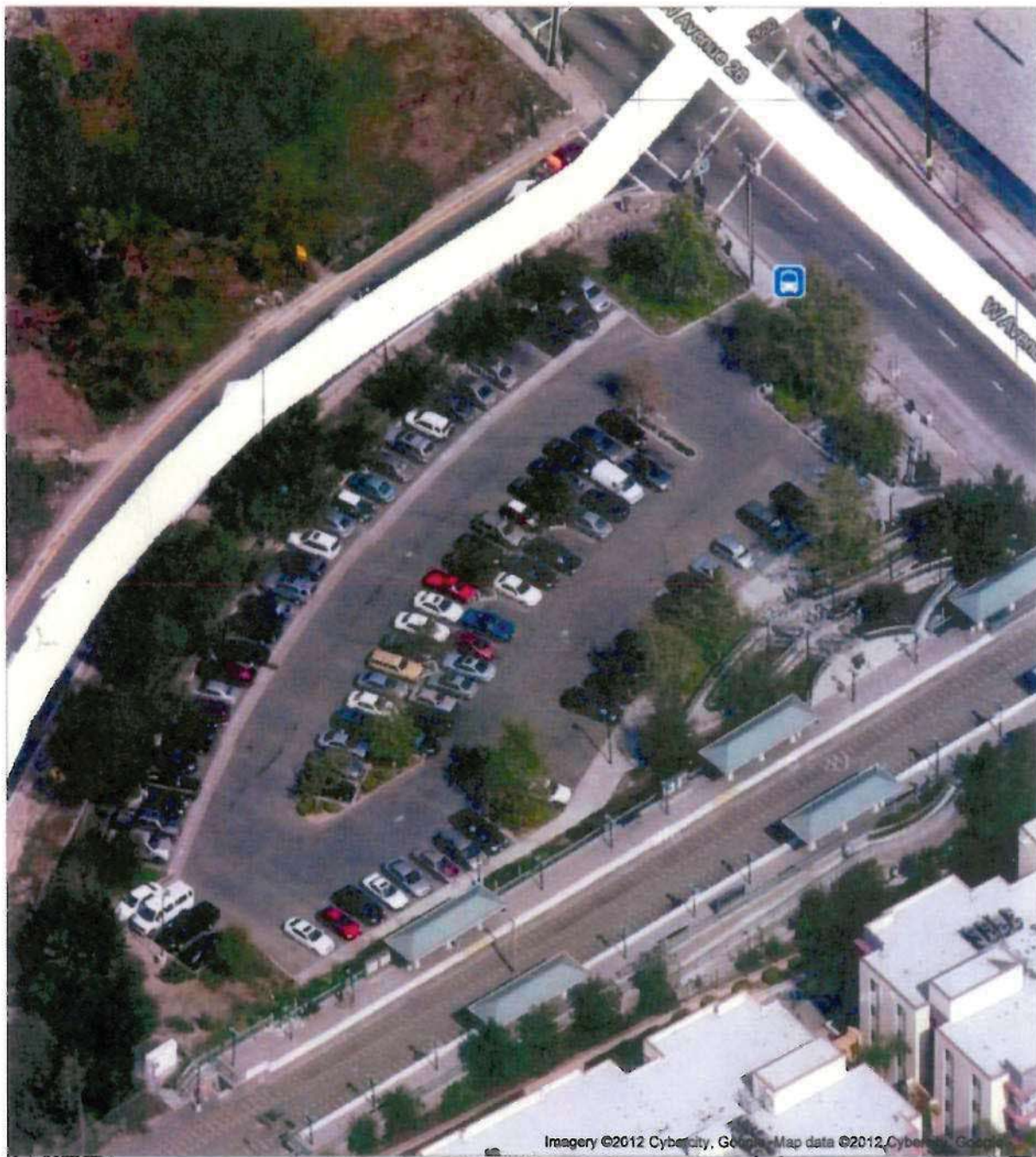
The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
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To see all the details that are visible on the screen, use the "Print" link next to the map.



Invoice Report

Back to Search Form

Click the invoice numbers below (>30000) to view detailed invoice information

Invoice #	Site ID	RP ID	Invoice Date	Balance Forward	Adjustments	New Charges	Invoice Amount	Total Amount Due	Amount Paid	Paid Date
16514	204EG00	1344	10/3/2001	N/A	N/A	N/A	\$13,028.14	N/A	\$13,028.14	11/7/2001
30642	204EG00	1344	6/7/2002	\$0.00	\$0.00	\$6,980.72	\$6,980.72	\$6,980.72	\$6,980.72	7/11/2002
32905	204EG00	1344	2/13/2003	\$0.00	\$0.00	\$12,701.14	\$12,701.14	\$12,701.14	\$12,701.14	3/10/2003
33860	204EG00	1344	4/4/2003	\$0.00	\$0.00	\$3,799.47	\$3,799.47	\$3,799.47	\$3,799.47	4/23/2003
34819	204EG00	1344	6/26/2003	\$0.00	\$0.00	\$3,907.28	\$3,907.28	\$3,907.28	\$3,907.28	7/11/2003
35833	204EG00	1344	9/5/2003	\$0.00	\$0.00	\$10,696.78	\$10,696.78	\$10,696.78	\$10,696.78	11/25/2003
36846	204EG00	1344	2/9/2004	\$0.00	\$0.00	\$1,154.81	\$1,154.81	\$1,154.81	\$1,154.81	3/2/2004
37778	204EG00	1344	3/16/2004	\$1,154.81	\$0.00	\$385.84	\$385.84	\$1,540.65	\$385.84	3/25/2004
39710	204EG00	1344	11/3/2004	\$0.00	\$0.00	\$238.11	\$238.11	\$238.11	\$238.11	1/10/2012
40707	204EG00	1344	12/17/2004	\$238.11	\$0.00	\$88.74	\$88.74	\$326.85	\$88.74	1/10/2012
41661	204EG00	1344	3/16/2005	\$326.85	\$0.00	\$419.03	\$419.03	\$745.88	\$419.03	1/10/2012
42635	204EG00	1344	6/23/2005	\$745.88	\$0.00	\$262.66	\$262.66	\$1,008.54	\$262.66	1/10/2012
43706	204EG00	1344	11/2/2005	\$1,008.54	\$0.00	\$198.75	\$198.75	\$1,207.29	\$198.75	1/10/2012
54199	204EG00	1344	3/28/2008	\$1,207.29	\$0.00	\$231.69	\$231.69	\$1,438.98	\$231.69	1/10/2012
57823	204EG00	1344	11/4/2008	\$1,438.98	\$0.00	\$610.90	\$610.90	\$2,049.88	\$610.90	1/10/2012
59097	204EG00	1344	2/10/2009	\$2,049.88	\$0.00	\$73.92	\$73.92	\$2,123.80	\$73.92	1/10/2012
61757	204EG00	1344	9/16/2009	\$2,123.80	\$0.00	\$731.55	\$731.55	\$2,855.35	\$731.55	1/10/2012
63217	204EG00	1344	11/17/2009	\$2,855.35	\$0.00	\$61.79	\$61.79	\$2,917.14	\$61.79	1/10/2012
65809	204EG00	1344	5/10/2010	\$2,917.14	\$0.00	\$57.43	\$57.43	\$2,974.57	\$57.43	1/10/2012
67175	204EG00	1344	9/13/2010	\$2,974.57	\$0.00	\$276.91	\$276.91	\$3,251.48	\$276.91	1/10/2012
68678	204EG00	1344	11/22/2010	\$3,251.48	\$0.00	\$213.20	\$213.20	\$3,464.68	\$213.20	1/10/2012

Report Run on 2/6/2012 11:05:34 AM

XII. REGULATORY USE ONLYLOCAL AGENCY CASE NUMBER

25388

REGIONAL BOARD CASE NUMBER

900120516

LOCAL AGENCYCONTACT NAME

ELOY LUNA

INITIALS

EL

ORGANIZATION NAME

LOS ANGELES, CITY OF

EMAIL ADDRESS

eloy.luna@lacity.org

ADDRESS200 North Main Street, Suite 1780
LOS ANGELES, CA 90012CONTACT DESCRIPTIONPHONE TYPE

BUSINESS

PHONE NUMBER

(213)-482-6520

EXTENSION**REGIONAL BOARD**CONTACT NAME

ARMAN TOUMARI

INITIALS

AT

ORGANIZATION NAME

LOS ANGELES RWQCB (REGION 4)

EMAIL ADDRESS

atoumari@waterboards.ca.gov

ADDRESS320 WEST 4TH STREET, SUITE 200
LOS ANGELES, CA 90013CONTACT DESCRIPTIONPHONE TYPE

MAIN FAX

PHONE NUMBER

(213)-576-6700

EXTENSION

MAIN PHONE

(213)-576-6708

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California Regional Water Quality Control Board Los Angeles Region



320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Matthew Rodriguez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

September 7, 2011

Mr. Joe Bezerra
Mrs. Magdalena Bezerra
2321 Hacienda Blvd.
Hacienda Heights, CA 91745

Dear Mr. & Mrs. Bezerra:

**UNDERGROUND STORAGE TANK PROGRAM - CASE CLOSURE
901 NORTH ALAMEDA STREET, LOS ANGELES, CA (UST CASE NO. 900120516)
(PRIORITY D-1 SITE)**

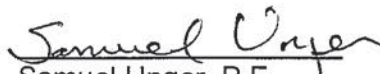
This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of section 25296.10 of the Health and Safety Code.

Please contact Unit Chief, Dr. Yi Lu, at (213) 576-6695 or project manager, Mr. Arman Toumari, at (213) 576-6708 (atoumari@waterboards.ca.gov), if you have any questions regarding this matter.

Sincerely,


Samuel Unger, P.E.
Executive Officer

cc: Kathy Jundt, SWRCB, Underground Storage Tank Cleanup Fund
Phuong Ly, Water Replenishment District of Southern California
Matthew Gatewood, City of Los Angeles Fire Department, Underground Tanks
Cathy von Euw, Stantec Consulting Corporation

California Environmental Protection Agency

**UNDERGROUND STORAGE TANK
LOW RISK CASE REVIEW FORM**

Case reviewer: Arman Toumari AT	Unit Chief: Yi Lu <i>Yi Lu</i>	Section Chief: Yue Rong YR	Acting AEO: Rebecca Chou <i>Rebecca Chou</i>	EO: Samuel Unger <i>SU</i>
Date: 7/18/11	Date: 8/30/11	Date: 8-30-11	Date: 8/30/11	Date: 8/31/11

LUSTIS File No. 900120516		Investigation and Cleanup Priority: D-1	
Site Name/Address: Chevron Service Station 9-8815 901 North Alameda Street Los Angeles, CA 90012	Responsible parties: Joe Bezerra Magdalena Bezerra	Address: 2321 Hacienda Boulevard Hacienda Heights CA 91745	Phone no.:

I. CASE INFORMATION (N/A = Not Applicable)

Tank No	Size in Gallons	Contents	Closed in-place/Removed/Active?	Date
1-2	10,000	Gasoline	Active	N/A
3	10,000	Diesel	Active	N/A
4	Unknown	Waste Oil	Removed	1983

II. SITE CHARACTERIZATION INFORMATION (GW=groundwater, -- =Not Reported, N/A = Not Applicable)

GW Basin: Los Angeles	Beneficial uses: Mun, Ind, Proc, Agr	Note:
Distance to nearest municipal supply well: 16,248 ft		
GW highest depth: 35	GW lowest depth: 35	Well screen interval: N/A
Soil types: Silty sand (0-20'), Silty Clay (20'-35')		Flow direction: ---
Maximum soil depth sampled: 35 ft bgs		

III. SITE INSPECTION

Pre-closure site inspection: N/A	Is there sensitive receptor next to the site (school, church, hospital, kindergarten etc.) No (according to Google map) If yes, brief description: N/A
----------------------------------	--

IV. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Initial and Latest

Contaminant	Soil (mg/kg)		EPA SLs*		Soil Screening Levels** (mg/kg)	Water (µg/L)***		MCLs/AL (µg/L)
	Initial (9/94)	Latest (1/11)	Residential (mg/kg)	Industrial (mg/kg)		Initial*** (1/11)	Latest***	
TPH (Gas)	5,200	ND	NE	NE	500	ND	NRQ	NE
TPH (Diesel)	NA	ND	NE	NE	1000	ND	NRQ	NE
Benzene	3.8	ND	1.1	5.4	0.143	ND	NRQ	1
Toluene	15	ND	5,000	45,000	7.5	0.65	NRQ	150
Ethylbenzene	91	0.063	5.4	27	30	5.23	NRQ	300
Xylenes	600	0.048	630	2,700	83	3.29	NRQ	1,750
MTBE	0.77 (5/00)	ND	43	220	0.156	0.5	NRQ	13 (Primary) 5 (Secondary)
DIPE	NA	ND	2,400	10,000	NE	ND	NRQ	NE
ETBE	NA	ND	NE	NE	NE	ND	NRQ	NE
TAME	NA	ND	NE	NE	NE	ND	NRQ	NE
TBA	NA	ND	NE	NE	NE	ND	NRQ	12 (NL)
Ethanol	NA	NA	NE	NE	NE	ND	NRQ	NE

NE = Not Established. NL = Notification Level. NA = Not Analyzed NRQ = Not Required.

* SLs = USEPA Risk-Based Screening Levels (May 2011). ** Please see the attached table 4 -1 ***grab samples - only one event was performed.

V. FREE PRODUCT

Was free product encountered? No	Has free product been totally removed? N/A
When was free product recovery project completed? N/A	

VI. SOIL REMEDIATION

Method: Excavation and disposal

Duration of remediation: September 16, 1994

Waste manifest document: Yes

Volume of soil disposal/mass removal: 108 cubic yards

VII. GROUNDWATER REMEDIATION

Method: None

Duration of remediation: N/A

VIII. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION**Site History**

The site is located at the intersection of North Alameda Street, North Main Street, and East Cesar Chavez Avenue. The site is a Chevron service station with two 10,000-gallon gasoline underground storage tanks (USTs) and one 10,000-gallon diesel UST. A waste oil tank with unknown capacity was removed during the station upgrade in 1983. The City of Los Angeles Fire Department transferred the case to this Regional Board on May 10, 2011.

Data SummarySite Assessment Summary

September 14, 1994 – Thirteen soil samples (DW-1, DE-2, DE-4 through DE-6, DW-1 through DW-6, LE-3, and LW3) were collected from beneath the product piping and the dispenser islands during the underground product piping replacement. Soil samples detected TPHg up to 5,200 mg/kg and benzene up to 3.3 mg/kg. Oxygenates were not analyzed. See Table 1 for soil data.

September 16, 1994 – Fifteen soil samples (DW-M1 through DW-M3, DW-N1 through DW-N3, DE-S1 through DE-S3, DE-N1 through DE-N3, and DW-S1 through DW-S3) were collected during the over-excavation of impacted soil in the area of the two dispenser islands. Soil samples detected TPHg up to 1,900 mg/kg and benzene up to 3.8 mg/kg. Oxygenates were not analyzed. See Table 2 for soil data.

May 2000 – Five soil borings (B-1 through B-5) were drilled to 30 ft bgs. Soil samples detected toluene up to 0.006 mg/kg and MTBE up to 0.77 mg/kg. No other petroleum constituents were detected. See Table 3 for soil data.

January 2011 – Six soil boring (B-1 through B6) were drilled to 35 ft bgs. Soil samples detected ethylbenzene up to 0.063 mg/kg and xylenes up to 0.048 mg/kg. No other petroleum constituents or MTBE was detected. The soil samples were also analyzed for full scan VOCs. No chlorinated VOCs were detected. Six soil vapor samples were also collected at 15 ft and 20 ft bgs. No petroleum constituents or MTBE was detected in the vapor samples. See Table 4 for soil data.

Groundwater Monitoring Summary

There are no groundwater monitoring wells at the site. One grab groundwater sampling was performed in January 2011 during which up to 0.5 µg/L of MTBE was detected in the groundwater. No benzene or TPHg was detected. The grab samples were also analyzed for full scan VOCs. No chlorinated VOCs were detected. The groundwater table was not measured, and flow direction is unknown. Based on the above soil and groundwater analytical results, future soil and/or groundwater monitoring and remedial actions were not required.

Subsurface Lithology

According to the boring logs, the subsurface lithology of the site consists of sand from the surface to 20 ft bgs, silty clay from 20 ft to 40 ft bgs, and gravelly sand from 40 ft to 42 ft bgs, the maximum depth explored.

Contaminant Exposure Pathways EvaluationDirect Contact

There are no risks of affecting human health via direct contact because the fuel constituent concentrations and MTBE in the soil are all below their respective EPA SLs.

Protection of Drinking Water Aquifer

There are no risks of contaminating the regional groundwater supplies because the fuel constituent concentrations and MTBE in the soil are all below their respective SSLs, and the fuel constituent concentrations and MTBE in the groundwater are all below their respective MCLs.

Plume Migration

The grab sampling data show that there is no dissolved phase plume.

Vapor Intrusion

The residual concentrations of gasoline constituents in the soil beneath the site do not cause any vapor intrusion concerns, because

- No fuel constituent concentrations or MTBE was detected in the soil vapor samples collected at 15 ft or 20 ft bgs.
- The latest soil data show that benzene was detected below the interim vapor intrusion guidance (180 µg/kg of benzene at five ft bgs), and the ground surface is paved.

Factors Supporting Low Risk Closure

Based on the above assessment, staff recommends to grant a low-risk closure for the site for the following reasons:

- The source of the gasoline leak has been removed from the site as all of the USTs have either been upgraded or removed.
- The extent of soil and groundwater contamination has been adequately defined.
- Over-excavation removed 108 cubic yards of impacted soil from the site.
- The residual soil and groundwater contamination are unlikely to cause significant human health and environmental risks via major pathways, such as direct contact, drinking water ingestion, and vapor intrusion.

IX. MTBE FATE & TRANSPORT PLUME LENGTH MODELING ANALYSIS

Plume length is not required because MTBE was not detected at any of the grab samples.

X. ELECTRONIC DELIVERABLE FORMAT (EDF) SUBMISSION

Has electronic data reporting requirement been met? Yes

XI. AB 681 REQUIREMENT (Land Owner Notification)

Verify property ownership <http://assessor.lacounty.gov/extranet/DataMaps/Pais.aspx> (date) : 06/22/11

Have requirements for landowner or impacted site notification been met? N/A

Owner(s): Mr. Joe Bezerra/Mrs. Magdalena Bezerra

Responsible party: Mr. Joe Bezerra/Mrs. Magdalena Bezerra

Pre-closure letter sent date: N/A

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH, BTEX and MTBE above Drinking Water Aquifers

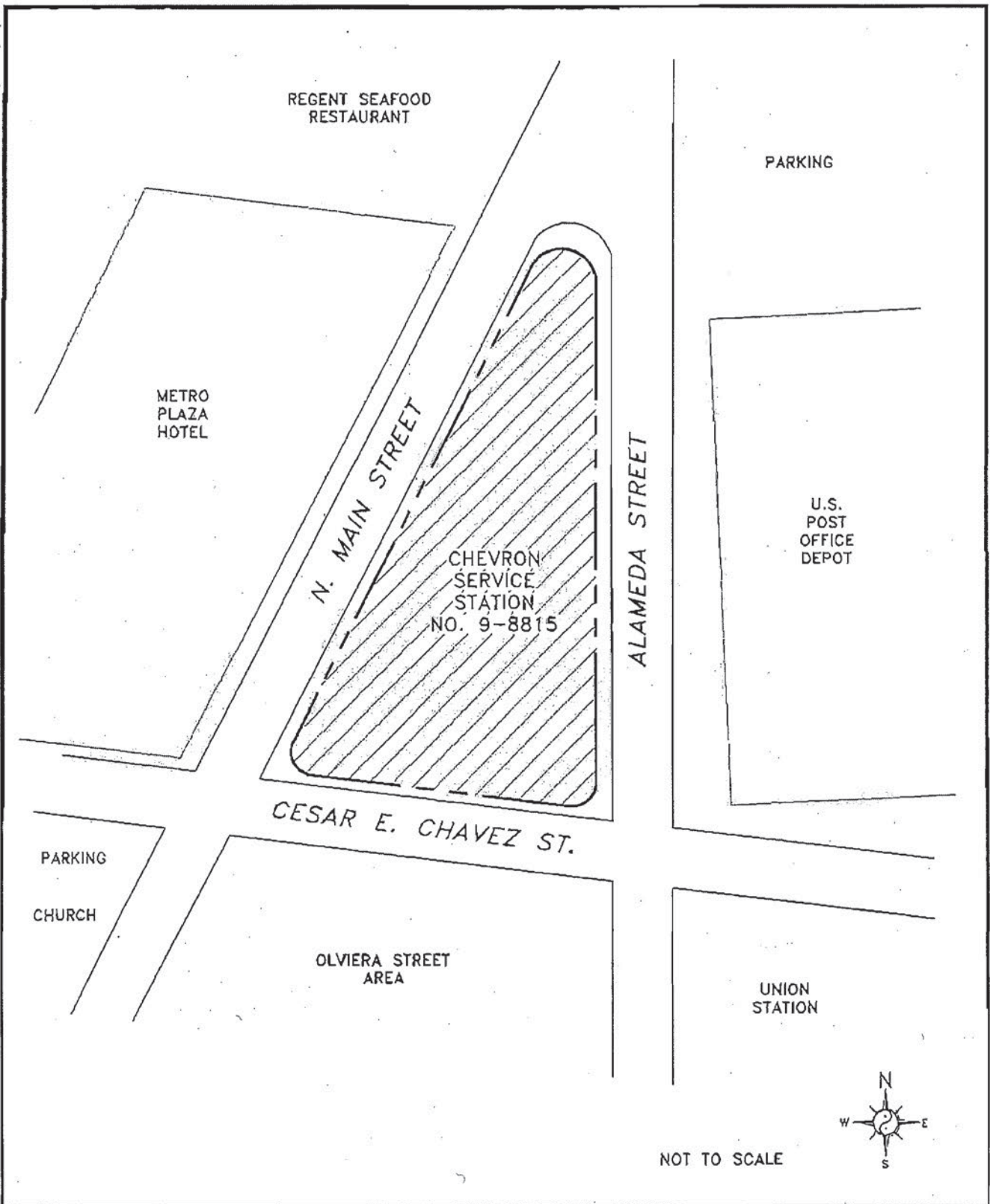
T P H	Distance Above Groundwater	Carbon Range		
		C4-C12	C13-C22	C23-C32
	>150 feet	1,000	10,000	50,000
	20-150 feet	500	1,000	10,000
<20 feet	100	100	1,000	

B T E X & M T B E	Distance Above Groundwater	Lithology			
		Gravel	Sand	Silt	Clay
	150 feet	B=0.044 T=2 E=8 X=23 MTBE = 0.039	B=0.077 T=4 E=17 X=48 MTBE = 0.078	B=0.165 T=9 E=34 X=93 MTBE = 0.156	B=0.8 T=43 E=170 X=465 MTBE = 0.78
	120 feet	B=0.035 T=1.57 E=6.3 X=17.9 MTBE = 0.028	B=0.058 T=3.1 E=12.7 X=36 MTBE = 0.061	B=0.123 T=7 E=25.9 X=70.3 MTBE = 0.117	B=0.603 T=32 E=128 X=351 MTBE = 0.591
	100 feet	B=0.028 T=1.3 E=5.1 X=14.4 MTBE = 0.020	B=0.046 T=2.57 E=9.86 X=28 MTBE = 0.05	B=0.094 T=5.4 E=20.4 X=55.1 MTBE = 0.091	B=0.471 T=25 E=101 X=276 MTBE = 0.464
	80 feet	B=0.022 T=1 E=4 X=11 MTBE = 0.013	B=0.033 T=2 E=7 X=20 MTBE = 0.039	B=0.066 T=4 E=15 X=40 MTBE = 0.065	B=0.34 T=18 E=73 X=200 MTBE = 0.338
	60 feet	B=0.018 T=0.72 E=2.9 X=7.9 MTBE = 0.013	B=0.026 T=1.4 E=4.9 X=13.9 MTBE = 0.03	B=0.048 T=2.8 E=10.7 X=28.4 MTBE = 0.048	B=0.241 T=13 E=52 X=141.5 MTBE = 0.247
	40 feet	B=0.015 T=0.43 E=1.8 X=4.8 MTBE = 0.013	B=0.018 T=0.87 E=2.8 X=7.8 MTBE = 0.022	B=0.029 T=1.6 E=6.3 X=16.9 MTBE = 0.03	B=0.143 T=7.5 E=30 X=83 MTBE = 0.156
20 feet	B=0.011 T=0.15 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.3 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.45 E=2 X=5.3 MTBE = 0.013	B=0.044 T=2.3 E=9 X=24.5 MTBE = 0.065	

- TPH = Total petroleum hydrocarbons.
- BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MTBE = methyl tertiary butyl ether.
- Respective MCLs (ppm): B=0.001, T=0.15, E=0.7, X=1.75, MTBE=0.013.
- BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for BTEX and of 3 for MTBE. Table values can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used;
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- In areas of naturally-occurring hydrocarbons, Regional Board staff will make determinations on TPH levels.

(revised 1/7/05)

1b-01.dwg - 08/30/99



DATE PLOTTED: 05/16/00



**Environmental Science &
Engineering, Inc.**
A HACTEC Company

3545 HOWARD WAY, 2ND FLOOR
COSTA MESA, CA 92626-1418

DWG BY	NMM
DATE	05/16/00
REV BY	
REVISED	

VICINITY MAP

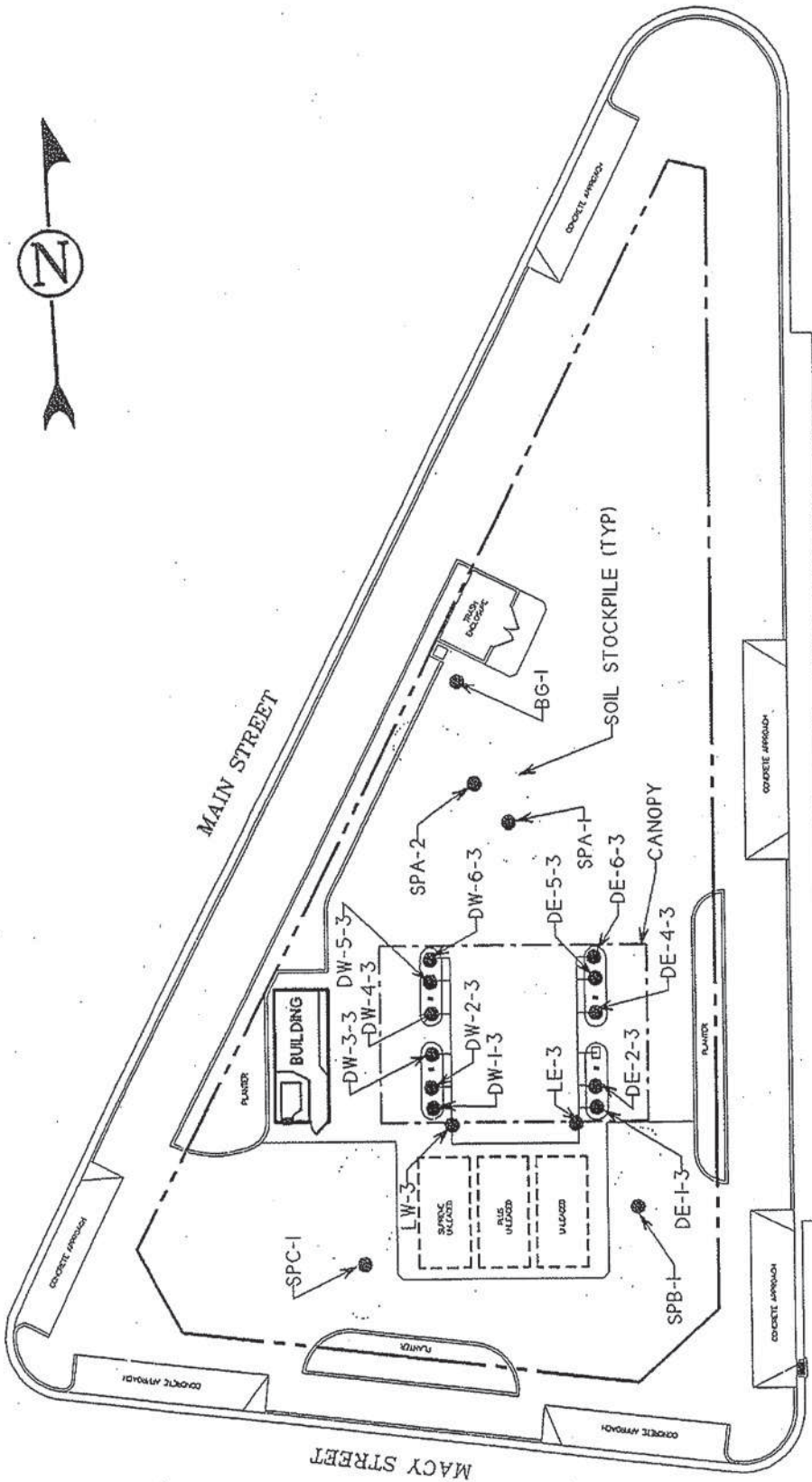
CHEVRON STATION NO. 9-8815
901 N. ALAMEDA STREET
LOS ANGELES, CA.

FIGURE NO.

2

PROJECT NO.

64-00134



LEGEND

● INDICATES BORING LOCATION

DE - I - 3

↑ DEPTH BELOW GRADE

↑ SAMPLE ID

↑ SAMPLE LOCATION

(D-DISPENSER, L-LINE BG= BACKGROUND)



DRAWING TAKEN FROM
CHEVRON SOUTHWEST REGION PPHIG AND SITE PLAN 022/93

**DISPENSER AND PRODUCT PIPING
SAMPLES (OBTAINED 9/14/94)**

CHEVRON SERVICE STATION #8815
901 NORTH ALAMEDA STREET
LOS ANGELES, CALIFORNIA

Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

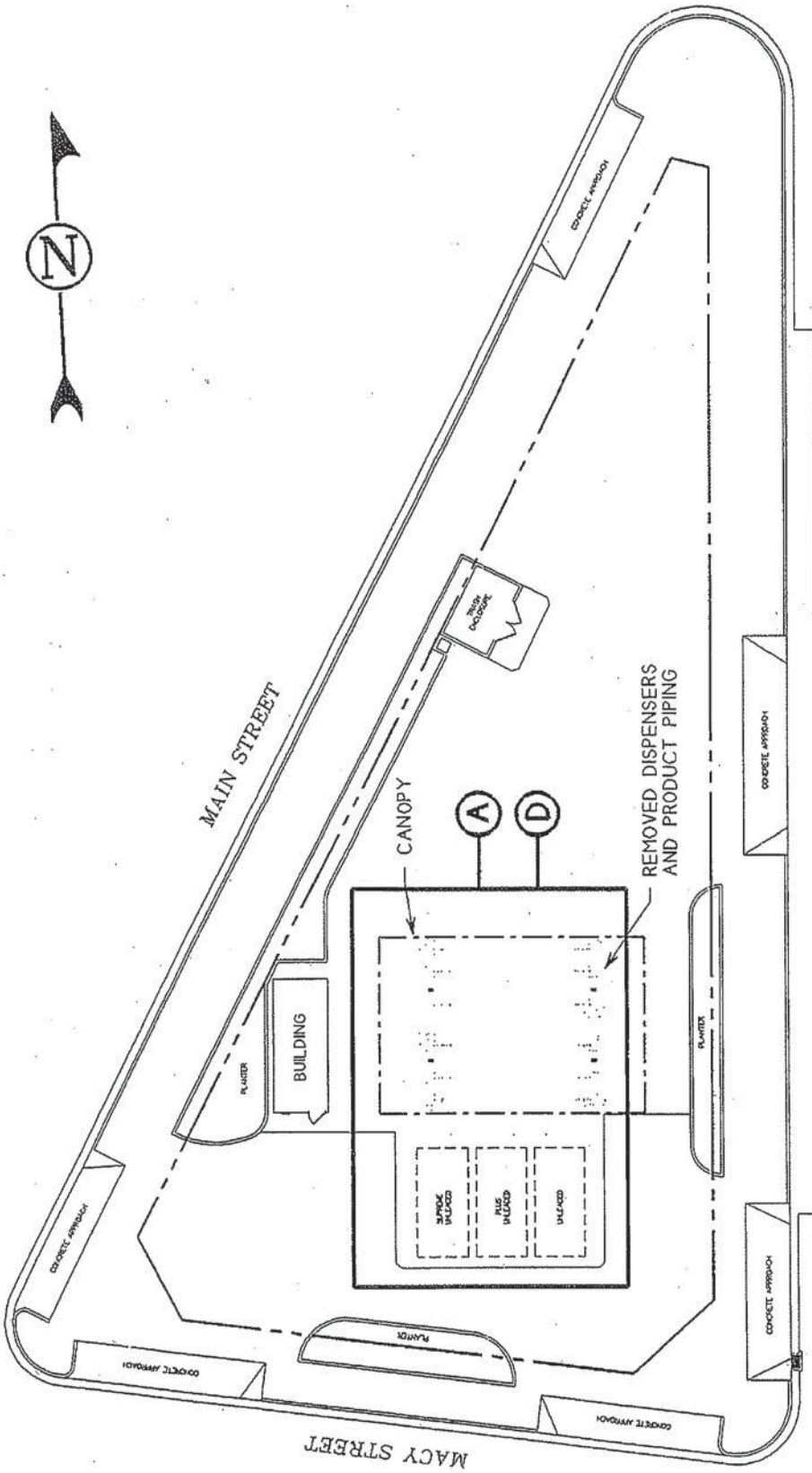
DATE: 11/7/94

SCALE: AS SHOWN

PROJECT: 4CU068

DRAWN BY: TMM

CHECKED BY: JPB




SITE PLAN

CHEVRON SERVICE STATION #8815
901 NORTH ALAMEDA STREET
LOS ANGELES, CALIFORNIA

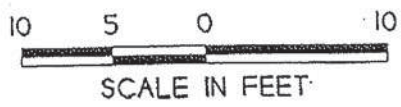
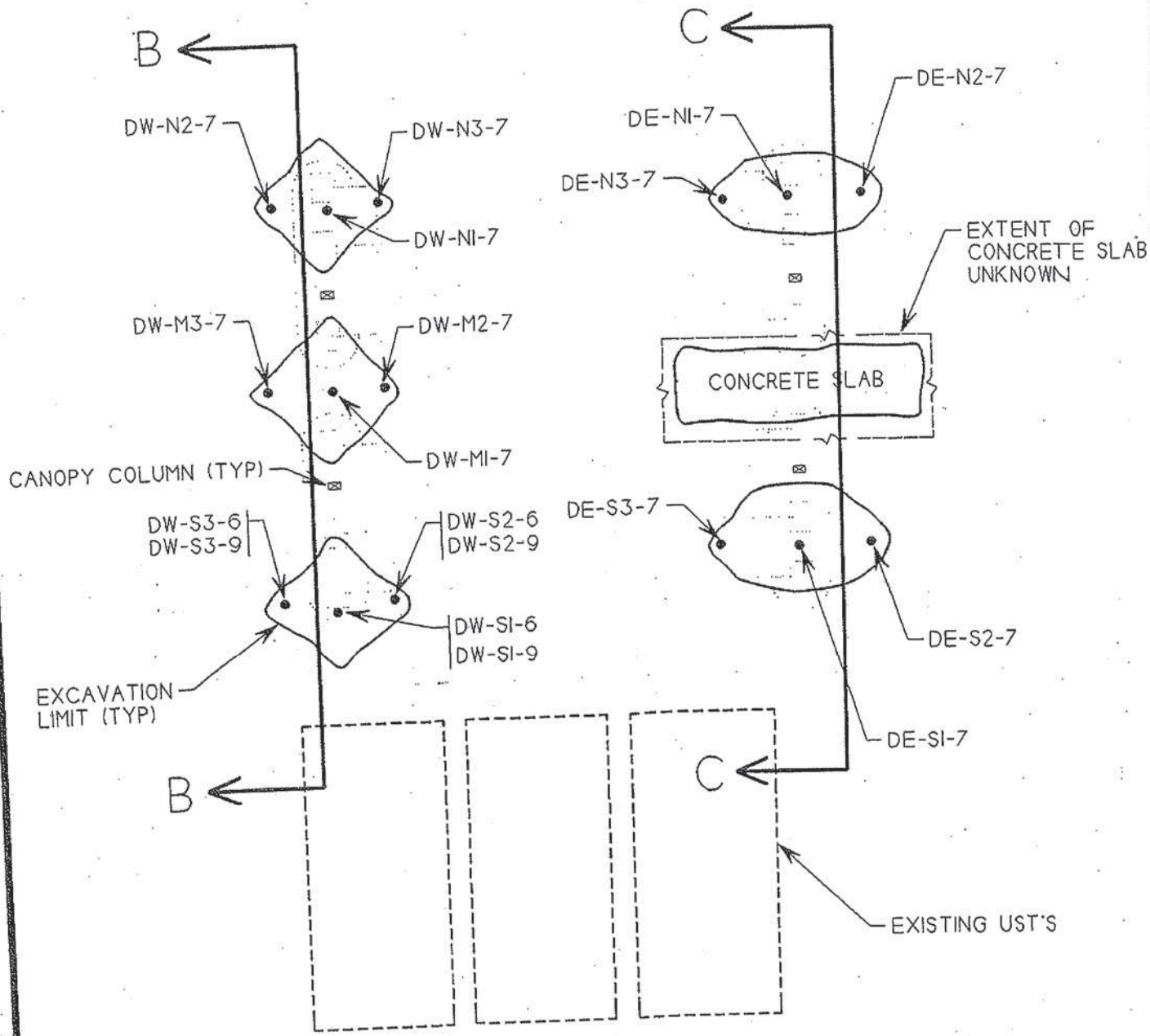
DATE: 10/20/94
SCALE: AS SHOWN

PROJECT: 4CU072
DRAWN BY: TMM
CHECKED BY: JFB


Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA



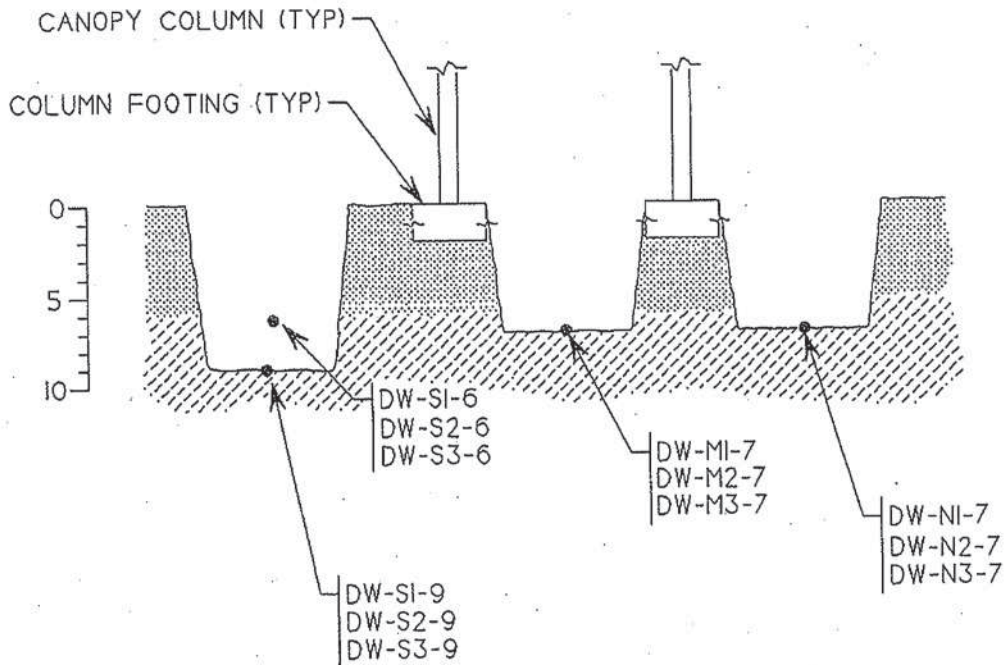
DRAWING TAKEN FROM:
CHEVRON SOUTHWEST REGION PIPING SITE PLAN, 10/22/93





LEGEND

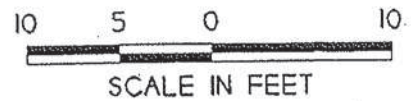
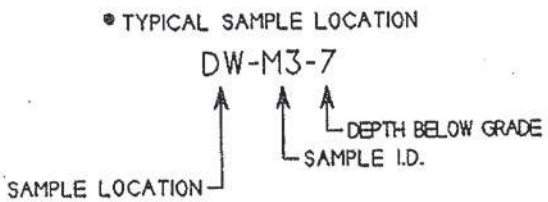
- TYPICAL SAMPLE LOCATION
- DW-M3-7
- ↑ SAMPLE LOCATION
- ↑ DEPTH BELOW GRADE
- ↑ SAMPLE I.D.

DETAIL A	
CHEVRON SERVICE STATION #8815 901 NORTH ALAMEDA STREET LOS ANGELES CA	DATE: 10/20/94
	SCALE: AS SHOWN
	PROJECT: 4CU072
	DRAWN BY: DPB
	CHECKED BY: JPB
Thomas Hill & Associates CONSULTING ENGINEERS <small>NEWPORT BEACH, CALIFORNIA</small>	



-  DARK GREY SILTY CLAY OF LOW TO MEDIUM PLASTICITY
-  POORLY GRADED MEDIUM TO COARSE SAND

LEGEND



SECTION B-B

CHEVRON SERVICE STATION #8815
901 NORTH ALAMEDA STREET
LOS ANGELES CA

DATE: 11/7/94
SCALE: AS SHOWN
PROJECT: 4CU072
DRAWN BY: DPB
CHECKED BY: JPB

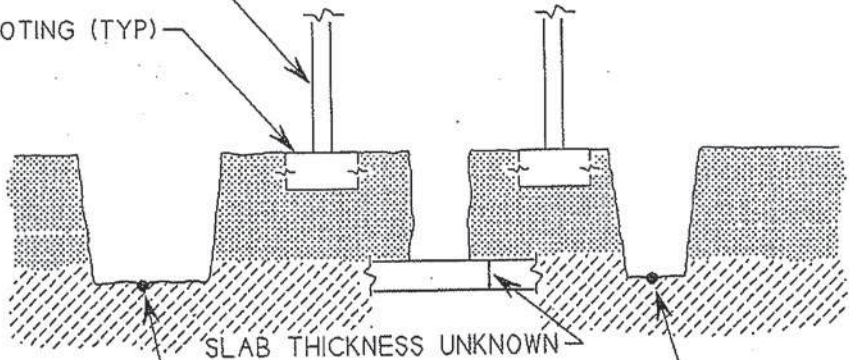


Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

CANOPY COLUMN (TYP)

COLUMN FOOTING (TYP)

0
5
10



SLAB THICKNESS UNKNOWN

DE-S1-7
DE-S2-7
DE-S3-7

DE-N1-7
DE-N2-7
DE-N3-7

 DARK GREY SILTY CLAY OF LOW TO MEDIUM PLASTICITY

 POORLY GRADED MEDIUM TO COARSE SAND

LEGEND

● TYPICAL SAMPLE LOCATION

DW-M3-7

SAMPLE LOCATION



DEPTH BELOW GRADE
SAMPLE I.D.

10 5 0 10



SCALE IN FEET

SECTION C-C

CHEVRON SERVICE STATION #8815
901 NORTH ALAMEDA STREET
LOS ANGELES CA

DATE: 11/7/94

SCALE: AS SHOWN

PROJECT: 4CU072

DRAWN BY: DPB

CHECKED BY: JPB



Thomas Hill & Associates
CONSULTING ENGINEERS
NEWPORT BEACH, CALIFORNIA

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST: RG,AM,RV
 PREP. METHOD: 5030
 DATE PREPARED: 09/14,15/94
 GEOTEST PROJECT NO.: 95624-18
 CLIENT ID: 4CJ068
 MATRIX: 901 N. Alameda, Los Angeles, CA 90012

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/FID/PID
 GASOLINE (TPH-G) BY DOHS METHOD / BTEX BY EPA METHOD 8020

COMPONENTS:	TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SURROGATE RECOVERY
UNITS:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
DETECTION LIMITS:	1.0	0.005	0.005	0.005	0.015	
SAMPLE ID	DATE ANALYZED					
METHOD BLANK	09/14/94	ND	ND	ND	ND	100
METHOD BLANK	09/14/94	ND	ND	ND	ND	100
METHOD BLANK	09/15/94	ND	ND	ND	ND	100
DE-2-3	09/14/94	ND	ND	ND	ND	94
DE-6-3	09/14/94	40	0.005	0.11	0.40	102
DE-5-3	09/14/94	7.2	ND	0.018	0.084	107
DE-4-3	09/14/94	2300	3.3	7.9	33	134*
DE-1-3	09/14/94	ND	ND	ND	ND	90
DW-1-3	09/14/94	40	0.009	ND	0.85	127
DW-2-3	09/14/94	5200	2.0	11	100	114
DW-3-3	09/14,15/94	270	0.11	0.44	1.6	104
DW-4-3	09/14/94	15	0.037	0.055	0.67	117
DW-5-3	09/14/94	ND	ND	ND	ND	97
DW-6-3	09/14/94	1.1	ND	ND	0.021	96
LE-3	09/14/94	ND	ND	ND	ND	93
LW-3	09/14/94	26	ND	ND	0.21	129

* - Matrix interference due to presence of gasoline.

Surrogate : a,a,a-Trifluorotoluene

Acceptable Range (%) :

70-130

TABLE 2
LABORATORY TEST RESULTS FOR SOIL SAMPLES COLLECTED DURING
OVEREXCAVATION ACTIVITIES
SEPTEMBER 16, 1994

SAMPLE	TPH	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	LEAD
Detection Limits	1.0	0.005	0.005	0.005	0.015	10
DW-S1-6	100	0.34	1.2	2.8	20	-
DW-S2-6	1,300	0.28	1.4	91	49	-
DW-S3-6	1,900	3.8	15	60	420	-
DW-S1-9	ND	ND	ND	ND	0.015	ND
DW-S2-9	360	0.006	0.033	1.0	5.0	ND
DW-S3-9	ND	ND	0.020	0.010	0.062	11
DW-M1-7	3.7	0.008	0.016	0.022	0.16	ND
DW-M2-7	ND	ND	ND	ND	ND	ND
DW-M3-7	ND	ND	ND	ND	ND	ND
DW-N1-7	ND	ND	ND	ND	ND	ND
DW-N2-7	ND	ND	ND	ND	ND	ND
DW-N3-7	ND	ND	ND	ND	ND	ND
DE-S1-7	ND	ND	ND	ND	ND	ND
DE-S2-7	ND	ND	ND	ND	ND	ND
DE-S3-7	ND	ND	ND	ND	0.041	ND
DE-N1-7	ND	ND	ND	ND	ND	ND
DE-N2-7	ND	ND	ND	ND	ND	ND
DE-N3-7	ND	ND	ND	ND	ND	ND
SPX-1	120	0.019	0.31	5.0	26	-
SPX-2	57	0.12	1.1	2.1	10	-

analyses results in mg/kg

ND indicates below detection limits

TABLE 3. ANALYTICAL RESULTS FOR SOIL SAMPLES - MAY 11, 2000

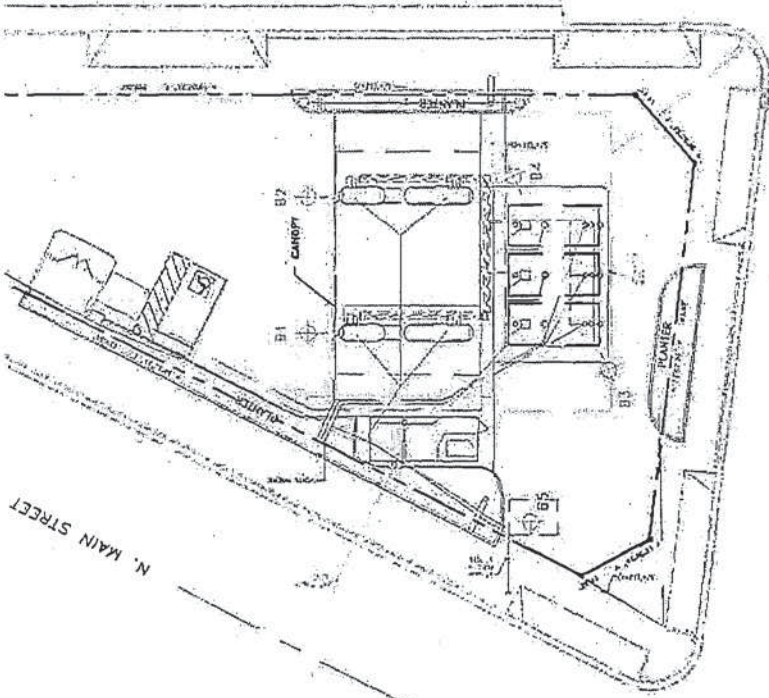
SAMPLE ID	DEPTH (FEET)	EPA METHOD (mg/kg)							
		8015M	418.1	8021B					7420
		TPH	TRPH	B	T	E	X	MTBE	TOTAL LEAD
B1-5	5	ND	NA	ND	ND	ND	ND	ND	230
B1-10	10	ND	NA	ND	ND	ND	ND	ND	ND
B1-15	15	ND	NA	ND	ND	ND	ND	ND	ND
B1-20	20	ND	NA	ND	ND	ND	ND	ND	ND
B1-25	25	ND	NA	ND	ND	ND	ND	ND	ND
B1-30	30	ND	NA	ND	ND	ND	ND	ND	ND
B2-5	5	ND	NA	ND	ND	ND	ND	ND	ND
B2-10	10	ND	NA	ND	ND	ND	ND	ND	ND
B2-15	15	ND	NA	ND	ND	ND	ND	ND	ND
B2-20	20	ND	NA	ND	ND	ND	ND	ND	ND
B2-25	25	ND	NA	ND	ND	ND	ND	ND	ND
B2-30	30	ND	NA	ND	ND	ND	ND	ND	ND
B3-5	5	ND	NA	ND	ND	ND	ND	ND	ND
B3-10	10	ND	NA	ND	ND	ND	ND	ND	ND
B3-15	15	ND	NA	ND	ND	ND	ND	ND	ND
B3-20	20	ND	NA	ND	0.006	ND	ND	0.076	ND
B3-25	25	ND	NA	ND	ND	ND	ND	0.56	ND
B3-30	30	ND	NA	ND	ND	ND	ND	0.77	ND
B4-5	5	ND	NA	ND	ND	ND	ND	ND	ND
B4-10	10	ND	NA	ND	ND	ND	ND	ND	ND
B4-15	15	ND	NA	ND	ND	ND	ND	ND	ND
B4-20	20	ND	NA	ND	ND	ND	ND	ND	ND
B4-25	25	ND	NA	ND	ND	ND	ND	ND	ND
B4-30	30	ND	NA	ND	ND	ND	ND	ND	ND
B5-5	5	NA	ND	NA	NA	NA	NA	NA	NA
B5-10	10	NA	ND	NA	NA	NA	NA	NA	NA
B5-15	15	NA	ND	NA	NA	NA	NA	NA	NA
B5-20	20	NA	ND	NA	NA	NA	NA	NA	NA
B5-25	25	NA	ND	NA	NA	NA	NA	NA	NA
B5-30	30	NA	ND	NA	NA	NA	NA	NA	NA
DL		5	10	0.05	0.05	0.05	0.015	0.035	0.25

NOTES:

- | | | | |
|-------|---|------|--|
| mg/kg | - milligrams per kilogram | ND | - not detected |
| EPA | - U.S. Environmental Protection Agency | TPH | - total petroleum hydrocarbons as gasoline |
| DL | - lowest detection limit, see laboratory report for actual values | NA | - not analyzed |
| BTEX | - benzene, toluene, ethyl benzene and total xylenes | MTBE | - methyl tert-butyl ether |
| TRPH | - total recoverable petroleum hydrocarbons | M | - modified |

2000

ALAMEDA STREET



CESAR E. CHAVEZ ST

EXPLANATION

- B1 — ANGLE BORING
- B2 — VERTICAL SOIL BORING
- — PRODUCT PIPING
- — VENT PIPING
- — 10,000 GALLON DOUBLE WALL GASOLINE STORAGE TANK
- — FORMER USED OIL UST
- — ELECTRICAL CONDUIT
- — PROPERTY LINE

N

4
TABLE 4

Summary of Soil Sampling Results (mg/Kg)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TPH-Oil	TPHd	TPHg
Sampled January 28-31, 2011								
B1-15	ND	ND	ND	ND	ND	---	---	ND
B1-20	ND	ND	ND	ND	ND	---	---	ND
B1-30	ND	ND	ND	ND	ND	---	---	ND
B1-40	ND	ND	ND	ND	ND	---	---	ND
B2-10	ND	ND	ND	ND	ND	---	---	ND
B2-20	ND	ND	ND	ND	ND	---	---	ND
B2-30	ND	ND	ND	ND	ND	---	---	ND
B2-35	ND	ND	ND	ND	ND	---	---	ND
B3-10	ND	ND	ND	ND	ND	---	---	ND
B3-20	ND	ND	ND	ND	ND	---	---	ND
B3-30	ND	ND	ND	ND	ND	---	---	ND
B3-35	ND	ND	ND	ND	ND	---	---	ND
B4-10	ND	ND	ND	ND	ND	---	---	ND
B4-20	ND	ND	ND	ND	ND	---	---	ND
B4-30	ND	ND	ND	ND	ND	---	---	ND
B4-35	ND	ND	ND	ND	ND	---	---	ND
B5-10	ND	ND	ND	ND	ND	ND	ND	ND
B5-20	ND	ND	ND	ND	ND	ND	ND	ND
B5-30	ND	ND	0.063	0.048	ND	ND	ND	ND
B5-35	ND	ND	ND	ND	ND	ND	ND	ND
B6-10	ND	ND	ND	ND	ND	ND	ND	ND
B6-20	ND	ND	ND	ND	ND	ND	ND	ND
B6-30	ND	ND	ND	ND	ND	ND	ND	ND

TPH-Oil - C24-C40, TPHd - C12-C24, TPHg - C4-C12.
 ND = Not Detected by analysis.

TABLE 2

Summary of Soil Gas Sampling Results (ug/L)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TPHg
Sampled January 28-31, 2011						
B1-20	ND	ND	ND	ND	ND	ND
B2-15	ND	ND	ND	ND	ND	ND
B3-15	ND	ND	ND	ND	ND	ND
B4-15	ND	ND	ND	ND	ND	ND
B5-20	ND	ND	ND	ND	ND	ND
B6-20	ND	ND	ND	ND	ND	77.6
CHHSLs	0.12	380	1.4	880	13	---

CHHSL - California Human Health Screening Levels for Soil Gas developed by CalEPA - Industrial Scenario. ND = Not detected by analysis.

TABLE 3

Summary of Groundwater Sampling Results (ug/L)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TPH-Oil	TPHd	TPHg
Sampled January 28-31, 2011								
B1-W	ND	0.65	ND	ND	ND	---	---	ND
B2-W	ND	ND	ND	ND	ND	---	---	ND
B4-W	ND	0.5	ND	ND	0.5	---	---	ND
B5-W	ND	ND	5.23	3.29	ND	ND	ND	ND
MCL	1.0	150	680	1,750	13	---	---	---

2011

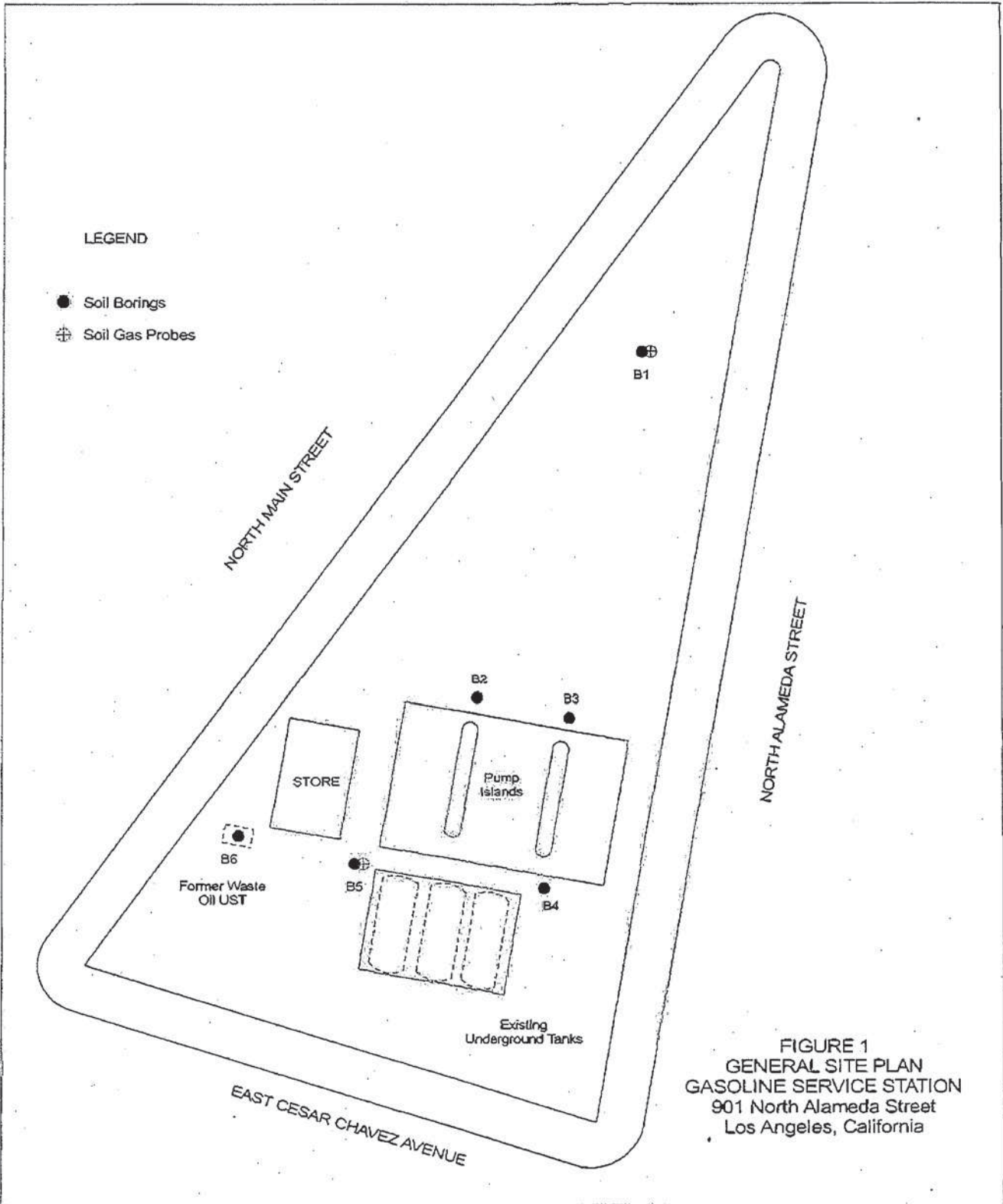


FIGURE 1
 GENERAL SITE PLAN
 GASOLINE SERVICE STATION
 901 North Alameda Street
 Los Angeles, California

SCALE			NORTH
DRAWN BY	J. NICOLICH	1/29/11	
CHECKED BY	D. LOUKS	1/31/11	
REVISED BY			

Envirodox, Inc.

ABC Environmental Laboratories

Client: Envirodox, Inc.
 Project: Chevron-901 Alameda, LA
 Project Site: Chevron-901 Alameda, LA
 Matrix: Soil
 Batch No.: 0201-VOCS

Lab Job No.: EV11A052
 Date Sampled: 1/31/2011
 Date Received: 1/31/2011
 Date Analyzed: 2/1/2011
 Date Reported: 2/3/2011

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2

Reporting Unit: mg/kg (PPM)

Date Analyzed			02/01/11	02/01/11	02/01/11	02/01/11	02/01/11
Dilution Factor			1	1	1	1	1
Lab Sample I.D.			EV11A052-1	EV11A052-2	EV11A052-3	EV11A052-4	EV11A052-5
Client Sample I.D.			B5-10	B5-20	B5-30	B5-35	B6-10
Compound	MDL	RL					
Dichlorodifluoromethane	0.0018	0.005	ND	ND	ND	ND	ND
Chloromethane	0.0018	0.005	ND	ND	ND	ND	ND
Vinyl Chloride	0.0018	0.005	ND	ND	ND	ND	ND
Bromomethane	0.0018	0.005	ND	ND	ND	ND	ND
Chloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.0018	0.005	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.0018	0.005	ND	ND	ND	ND	ND
Carbon disulfide	0.0018	0.005	ND	ND	ND	ND	ND
Methylene chloride	0.0018	0.005	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	0.0018	0.005	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.0018	0.005	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.0018	0.005	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	0.0018	0.005	ND	ND	ND	ND	ND
Bromochloromethane	0.0018	0.005	ND	ND	ND	ND	ND
Chloroform	0.0018	0.005	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Vinyl acetate	0.0018	0.005	ND	ND	ND	ND	ND
Carbontetrachloride	0.0018	0.005	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.0018	0.005	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Benzene	0.001	0.002	ND	ND	ND	ND	ND
Trichloroethene	0.0018	0.005	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.0018	0.005	ND	ND	ND	ND	ND
Methyl methacrylate	0.0018	0.005	ND	ND	ND	ND	ND
Dibromomethane	0.0018	0.005	ND	ND	ND	ND	ND
Bromodichloromethane	0.0018	0.005	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	0.0018	0.005	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	0.0018	0.005	ND	ND	ND	ND	ND
Toluene	0.001	0.002	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	0.0018	0.005	ND	ND	ND	ND	ND
Ethylmethacrylate	0.0018	0.005	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Dibromochloromethane	0.0018	0.005	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0018	0.005	ND	ND	ND	ND	ND
Tetrachloroethene	0.0018	0.005	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.0018	0.005	ND	ND	ND	ND	ND
Chlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND

RL=Reporting Limit; ND=Not Detected (Below MDL); MDL= Method Detection Limit.
 J= Value Detected Between MDL and RL.

1640 South Grove Ave., Suite B
 Ontario, CA 91761

Tel: (909)923-8628
 (562)413-8343
 Fax: (909)923-8628

ABC Environmental Laboratories

Client:	Envirodox, Inc.	Lab Job No.:	EV11A052
Project:	Chevron-901 Alameda, LA	Date Sampled:	1/31/2011
Project Site:	Chevron-901 Alameda, LA	Date Received:	1/31/2011
Matrix:	Soil	Date Analyzed:	2/1/2011
Batch No.:	0201-VOCS	Date Reported:	2/3/2011

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2
Reporting Unit: mg/kg (PPM)

Date Analyzed			02/01/11	02/01/11	02/01/11	02/01/11	02/01/11
Dilution Factor			1	1	1	1	1
Lab Sample I.D.			EV11A052-1	EV11A052-2	EV11A052-3	EV11A052-4	EV11A052-5
Client Sample I.D.			B5-10	B5-20	B5-30	B5-35	B6-10
Compound	MDL	RL					
1,1,1,2-Tetrachloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Ethylbenzene	0.001	0.002	ND	ND	0.063	ND	ND
Total Xylene	0.002	0.004	ND	ND	0.048	ND	ND
Styrene	0.0018	0.005	ND	ND	ND	ND	ND
Bromoform	0.0018	0.005	ND	ND	ND	ND	ND
Isopropyl benzene	0.0018	0.005	ND	ND	0.003J	ND	ND
Bromobenzene	0.0018	0.005	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.0018	0.005	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.0018	0.005	ND	ND	ND	ND	ND
Trans-1,4-dichloro-2-butene	0.0018	0.005	ND	ND	ND	ND	ND
2-Chlorotoluene	0.0018	0.005	ND	ND	ND	ND	ND
n-Propyl benzene	0.0018	0.005	ND	ND	ND	ND	ND
4-Chlorotoluene	0.0018	0.005	ND	ND	ND	ND	ND
1,3,5-Trimethyl benzene	0.0018	0.005	ND	ND	ND	ND	ND
tert-Butylbenzene	0.0018	0.005	ND	ND	ND	ND	ND
p-Isopropyl toluene	0.0018	0.005	ND	ND	ND	ND	ND
1,2,4-Trimethyl benzene	0.0018	0.005	ND	ND	0.004J	ND	ND
sec-Butylbenzene	0.0018	0.005	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND
n-Butylbenzene	0.0018	0.005	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	0.0018	0.005	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.0018	0.005	ND	ND	ND	ND	ND
Naphthalene	0.0018	0.005	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.0018	0.005	ND	ND	ND	ND	ND
Aceton	0.025	0.050	ND	ND	ND	ND	ND
2-Butanone(MEK)	0.01	0.025	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	0.01	0.025	ND	ND	ND	ND	ND
MTBE	0.0018	0.005	ND	ND	ND	ND	ND
Ethyl-t-butyl Ether(ETBE)	0.0018	0.005	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	0.0018	0.005	ND	ND	ND	ND	ND
TAME	0.0018	0.005	ND	ND	ND	ND	ND
1-Butanol	0.010	0.020	ND	ND	ND	ND	ND

RL=Reporting Limit; ND=Not Detected (Below MDL); MDL= Method Detection Limit.
J= Value Detected Between MDL and RL.

ABC Environmental Laboratories

Client: Envirodox, Inc.
 Project: Chevron-901 Alameda, LA
 Project Site: Chevron-901 Alameda, LA
 Matrix: Soil
 Batch No.: 0201-VOCS

Lab Job No.: EV11A052
 Date Sampled: 1/31/2011
 Date Received: 1/31/2011
 Date Analyzed: 2/1/2011
 Date Reported: 2/3/2011

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2

Reporting Unit: mg/kg (PPM)

Date Analyzed			02/01/11	02/01/11			
Dilution Factor			1	1			
Lab Sample I.D.			EV11A052-6	EV11A052-7			
Client Sample I.D.			B6-20	B6-30			
Compound	MDL	RL					
Dichlorodifluoromethane	0.0018	0.005	ND	ND			
Chloromethane	0.0018	0.005	ND	ND			
Vinyl Chloride	0.0018	0.005	ND	ND			
Bromomethane	0.0018	0.005	ND	ND			
Chloroethane	0.0018	0.005	ND	ND			
Trichlorofluoromethane	0.0018	0.005	ND	ND			
1,1-Dichloroethene	0.0018	0.005	ND	ND			
Carbon disulfide	0.0018	0.005	ND	ND			
Methylene chloride	0.0018	0.005	ND	ND			
Trans-1,2-Dichloroethene	0.0018	0.005	ND	ND			
1,1-Dichloroethane	0.0018	0.005	ND	ND			
2,2-Dichloropropane	0.0018	0.005	ND	ND			
Cis-1,2-Dichloroethene	0.0018	0.005	ND	ND			
Bromochloromethane	0.0018	0.005	ND	ND			
Chloroform	0.0018	0.005	ND	ND			
1,1,1-Trichloroethane	0.0018	0.005	ND	ND			
Vinyl acetate	0.0018	0.005	ND	ND			
Carbontetrachloride	0.0018	0.005	ND	ND			
1,1-Dichloropropene	0.0018	0.005	ND	ND			
1,2-Dichloroethane	0.0018	0.005	ND	ND			
Benzene	0.001	0.002	ND	ND			
Trichloroethene	0.0018	0.005	ND	ND			
1,2-Dichloropropane	0.0018	0.005	ND	ND			
Methyl methacrylate	0.0018	0.005	ND	ND			
Dibromomethane	0.0018	0.005	ND	ND			
Bromodichloromethane	0.0018	0.005	ND	ND			
2-Chloroethyl Vinyl Ether	0.0018	0.005	ND	ND			
Cis-1,3-Dichloropropene	0.0018	0.005	ND	ND			
Toluene	0.001	0.002	ND	ND			
Trans-1,3-Dichloropropene	0.0018	0.005	ND	ND			
Ethylmethacrylate	0.0018	0.005	ND	ND			
1,1,2-Trichloroethane	0.0018	0.005	ND	ND			
Dibromochloromethane	0.0018	0.005	ND	ND			
1,2-Dibromoethane (EDB)	0.0018	0.005	ND	ND			
Tetrachloroethene	0.0018	0.005	ND	ND			
1,3-Dichloropropane	0.0018	0.005	ND	ND			
Chlorobenzene	0.0018	0.005	ND	ND			

RL=Reporting Limit; ND=Not Detected (Below MDL); MDL= Method Detection Limit.
 J= Value Detected Between MDL and RL.

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ABC Environmental Laboratories

Client: Envirodox, Inc.
 Project: Chevron-901 Alameda, LA
 Project Site: Chevron-901 Alameda, LA
 Matrix: Soil
 Batch No.: 0201-VOCS

Lab Job No.: EV11A052
 Date Sampled: 1/31/2011
 Date Received: 1/31/2011
 Date Analyzed: 2/1/2011
 Date Reported: 2/3/2011

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2
 Reporting Unit: mg/kg (PPM)

Date Analyzed		02/01/11	02/01/11			
Dilution Factor		1	1			
Lab Sample I.D.		EV11A052-6	EV11A052-7			
Client Sample I.D.		B6-20	B6-30			
Compound	MDL	RL				
1,1,1,2-Tetrachloroethane	0.0018	0.005	ND	ND		
Ethylbenzene	0.001	0.002	ND	ND		
Total Xylene	0.002	0.004	ND	ND		
Styrene	0.0018	0.005	ND	ND		
Bromoform	0.0018	0.005	ND	ND		
Isopropyl benzene	0.0018	0.005	ND	ND		
Bromobenzene	0.0018	0.005	ND	ND		
1,2,3-Trichloropropane	0.0018	0.005	ND	ND		
1,1,2,2,-Tetrachloroethane	0.0018	0.005	ND	ND		
Trans-1,4-dichloro-2-butene	0.0018	0.005	ND	ND		
2-Chlorotoluene	0.0018	0.005	ND	ND		
n-Propyl benzene	0.0018	0.005	ND	ND		
4-Chlorotoluene	0.0018	0.005	ND	ND		
1,3,5-Trimethyl benzene	0.0018	0.005	ND	ND		
tert-Butylbenzene	0.0018	0.005	ND	ND		
p-Isopropyl toluene	0.0018	0.005	ND	ND		
1,2,4-Trimethyl benzene	0.0018	0.005	ND	ND		
sec-Butylbenzene	0.0018	0.005	ND	ND		
1,3-Dichlorobenzene	0.0018	0.005	ND	ND		
1,4-Dichlorobenzene	0.0018	0.005	ND	ND		
1,2-Dichlorobenzene	0.0018	0.005	ND	ND		
n-Butylbenzene	0.0018	0.005	ND	ND		
1,2-Dibromo-3-chloropropan	0.0018	0.005	ND	ND		
1,2,4-Trichlorobenzene	0.0018	0.005	ND	ND		
Hexachlorobutadiene	0.0018	0.005	ND	ND		
Naphthalene	0.0018	0.005	ND	ND		
1,2,3-Trichlorobenzene	0.0018	0.005	ND	ND		
Aceton	0.025	0.050	ND	ND		
2-Butanone(MEK)	0.01	0.025	ND	ND		
Methyl Isobutyl Ketone	0.01	0.025	ND	ND		
MTBE	0.0018	0.005	ND	ND		
Ethyl-(t-butyl Ether(ETBE)	0.0018	0.005	ND	ND		
Diisopropyl ether (DIPE)	0.0018	0.005	ND	ND		
TAME	0.0018	0.005	ND	ND		
l-Butanol	0.010	0.020	ND	ND		

RL=Reporting Limit; ND=Not Detected (Below MDL); MDL. Method Detection Limit.
 J= Value Detected Between MDL and RL.

ABC Environmental Laboratories

Client: Envirodox, Inc.
 Project: Chevron-901 Alameda, LA
 Project Site: Chevron-901 Alameda, LA
 Matrix: Water
 Batch No.: 0201-VOCW

Lab Job No.: EV11A052
 Date Sampled: 1/31/2011
 Date Received: 1/31/2011
 Date Analyzed: 2/1/2011
 Date Reported: 2/3/2011

EPA 8260B (VOCs & Oxygenates) by GC/MS, Page 1 of 2
 Reporting Unit: ug/L (ppb)

Date Analyzed		02/01/11			
Dilution Factor		1			
Lab Sample I.D.		EV11A052-8			
Client Sample I.D.		B5-W			
Compound	RL				
Dichlorodifluoromethane	0.5	ND			
Chloromethane	0.5	ND			
Vinyl Chloride	0.5	ND			
Bromomethane	0.5	ND			
Chloroethane	0.5	ND			
Trichlorofluoromethane	0.5	ND			
1,1-Dichloroethene	0.5	ND			
Carbon disulfide	0.5	ND			
Methylene chloride	0.5	ND			
Trans-1,2-Dichloroethene	0.5	ND			
1,1-Dichloroethane	0.5	ND			
2,2-Dichloropropane	0.5	ND			
Cis-1,2-Dichloroethene	0.5	ND			
Bromochloromethane	0.5	ND			
Chloroform	0.5	ND			
1,1,1-Trichloroethane	0.5	ND			
Vinyl acetate	0.5	ND			
Carbontetrachloride	0.5	ND			
1,1-Dichloropropene	0.5	ND			
1,2-Dichloroethane	0.5	ND			
Benzene	0.5	ND			
Trichloroethene	0.5	ND			
1,2-Dichloropropane	0.5	ND			
Methyl methacrylate	1	ND			
Dibromomethane	0.5	ND			
Bromodichloromethane	0.5	ND			
2-Chloroethyl Vinyl Ether	0.5	ND			
Cis-1,3-Dichloropropene	0.5	ND			
Toluene	0.5	ND			
Trans-1,3-Dichloropropene	0.5	ND			
Ethylmethacrylate	0.5	ND			
1,1,2-Trichloroethane	0.5	ND			
Dibromochloromethane	0.5	ND			
1,2-Dibromoethane (EDB)	0.5	ND			
Tetrachloroethene	0.5	ND			
1,3-Dichloropropane	0.5	ND			
Chlorobenzene	0.5	ND			

RL=Reporting Limit; ND=Not Detected (Below RL).

1640 South Grove Ave., Suite B
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Tel: (909)923-8628
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 Fax: (909)923-8628

ABC Environmental Laboratories

Client:	Envirodox, Inc.	Lab Job No.:	EV11A052
Project:	Chevron-901 Alameda, LA	Date Sampled:	1/31/2011
Project Site:	Chevron-901 Alameda, LA	Date Received:	1/31/2011
Matrix:	Water	Date Analyzed:	2/1/2011
Batch No.:	0201-VOCW	Date Reported:	2/3/2011

EPA 8260B (VOCs & Oxygenates) by GC/MS, Page 2 of 2

Reporting Unit: ug/L (ppb)

Date Analyzed		02/01/11				
Dilution Factor		1				
Lab Sample I.D.		EV11A052-8				
Client Sample I.D.		B5-W				
Compound	RL					
1,1,1,2-Tetrachloroethane	0.5	ND				
Ethylbenzene	0.5	5.23				
Total Xylene	0.5	3.29				
Styrene	0.5	ND				
Bromoform	0.5	ND				
Isopropyl benzene	0.5	1.42				
Bromobenzene	0.5	ND				
1,2,3-Trichloropropane	0.5	ND				
1,1,2,2-Tetrachloroethane	0.5	ND				
Trans-1,4-dichloro-2-butene	0.5	ND				
2-Chlorotoluene	0.5	ND				
n-Propyl benzene	0.5	5.26				
4-Chlorotoluene	0.5	ND				
1,3,5-Trimethyl benzene	0.5	1				
tert-Butylbenzene	0.5	ND				
p-Isopropyl toluene	0.5	ND				
1,2,4-Trimethyl benzene	0.5	1.2				
sec-Butylbenzene	0.5	0.75				
1,3-Dichlorobenzene	0.5	ND				
1,4-Dichlorobenzene	0.5	ND				
1,2-Dichlorobenzene	0.5	ND				
n-Butylbenzene	0.5	1.12				
1,2-Dibromo-3-chloropropan	0.5	ND				
1,2,4-Trichlorobenzene	0.5	ND				
Hexachlorobutadiene	1	ND				
Naphthalene	0.5	ND				
1,2,3-Trichlorobenzene	0.5	ND				
Acetone	5	ND				
2-Butanone(MEK)	5	ND				
MTBE	0.5	ND				
Methyl Isobutyl Ketone	5	ND				
Ethyl-t-butyl Ether(ETBE)	0.5	ND				
Diisopropyl ether (DIPE)	0.5	ND				
TAME	0.5	ND				
t-Butanol	5	ND				

RL=Reporting Limit; ND=Not Detected (Below RL).

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Tel: (909)923-8628
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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

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CASE SUMMARY

REPORT DATE HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?
 12/2/2004

I. REPORTED BY -

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>	<u>CREATED BY</u>
TIMOTHY WOOD		GSI Environmental		UNKNOWN
<u>ADDRESS</u>	<u>CONTACT DESCRIPTION</u>			<u>CREATED BY</u>
4590 MacArthur Blvd. NEWPORT BEACH, CA 92660				UNKNOWN
<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>		
Office	(949)-679-1070			

III. SITE LOCATION

<u>FACILITY NAME</u>	<u>FACILITY ID</u>
THE CALIFORNIA ENDOWMENT TERMINAL	
<u>FACILITY ADDRESS</u>	<u>ORIENTATION OF SITE TO STREET</u>
1000 ALAMEDA ST. N. LOS ANGELES, CA 90012 LOS ANGELES COUNTY	<u>CROSS STREET</u> MAIN ST.

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

DIESEL

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>
12/2/2004	Other Means	TANK REMOVAL
<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>
	Close and Remove Tank Other Means	TANK WAS EMPTY UPON DISCOVERY AND REMOVAL

VII. SOURCE/CAUSE

<u>SOURCE OF DISCHARGE</u>	<u>CAUSE OF DISCHARGE</u>
Other	Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION

<u>REMEDIAL ACTION</u>	<u>BEGIN DATE</u>	<u>END DATE</u>	<u>DESCRIPTION</u>

Excavation 1/1/2005 1/1/2005

X. GENERAL COMMENTS**XI. CERTIFICATION**

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN
IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLYLOCAL AGENCY CASE NUMBER

35965

REGIONAL BOARD CASE NUMBER

900120489

LOCAL AGENCYCONTACT NAME

ELOY LUNA

INITIALS

EL

ORGANIZATION NAME

LOS ANGELES, CITY OF

EMAIL ADDRESS

eloy.luna@lacity.org

ADDRESS

200 North Main Street, Suite 1780
LOS ANGELES, CA 90012

CONTACT DESCRIPTIONPHONE TYPE

BUSINESS

PHONE NUMBER

(213)-482-6520

EXTENSION**REGIONAL BOARD**CONTACT NAME

YI LU

INITIALS

YL

ORGANIZATION NAME

LOS ANGELES RWQCB (REGION 4)

EMAIL ADDRESS

ylu@waterboards.ca.gov

ADDRESS

R4 UNKNOWN, CA

CONTACT DESCRIPTION[Back to Top](#)[Conditions of Use](#)[Privacy Policy](#)[Accessibility](#)[Contact Us](#)

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American Integrated Services, Inc.

August 14, 2006
AIS Project No. 24053

Mr. Enrique Casas
Information Technical Unit
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

SUBJECT: WDR Closeout Letter
RWQCB WDR Permit No. 88-57-009(04)
California Endowment Property
1000 N. Alameda Street
Los Angeles, CA

Via Overnight Mail

I declare under penalty of perjury that the following is true and correct. Executed on the 24th day of July, 2006.

RWCQB WDR Closeout – No. 88-57-009(04)
California Endowment Property
1000 N. Alameda Street, Los Angeles, California.

Signature: 

Title: Principal

Dear Enrique;

American Integrated Services, Inc. is pleased to submit our summary letter and documentation to close out the Waste Discharge Requirement for Discharge of Contaminated Soils – 1000 Alameda Street, California, RWQCB WDR Permit No. 88-57-009(04).

As required, we are submitting this letter with an analytical table showing the grab sample analysis taken every 250 cubic yards. Attached is a copy of the June 17, 2004 WDR, tables of analytical data for the soil excavated, which either was taken to Puente Hills (Tables 1 and 2) or Thermal Remediation Solutions in Azusa (Tables 3 and 4), and the site plan showing the area of excavation.

Approximately 37,870 cubic yards of soil were transported to Puente Hills and about 5,245 cubic yards were transported to Thermal Remediation Solutions. All soil excavated from the site was analyzed at least every 250 cubic yards in accordance with the WDR; however, as you will note by the number of

Mr. Enrique Casas – RWQCB
WDR Closeout – California Endowment
RWQCR WDR No. 88-57-009(04)
August 14, 2006
Page 2 of 2

samples on Tables 1 and 3 (more than one every 250 cubic yards), additional samples also were collected based on field observations (we would sample more frequently if some darker colored soil was encountered even if it had no PID readings).

Please note that the soil sampling results shown in Tables 1 and 2 confirm our conformance to the WDR analytical limits and sampling frequency; all soils that went to Puente had no VOCs and less than 1,000 milligrams per kilogram total petroleum hydrocarbons. Although the bulk of the excavation work was performed from June to August 2004, additional shallower excavation activities continued until just recently when in April 2006 construction was completed. The WDR was kept open just in case any additional soil needed to be removed from the site, which was not the case.

Furthermore, as required, we are certifying that all wastes deposited were in compliance with the Regional Board's requirement and that no wastes have been deposited outside of the jurisdiction of the RWQCB as specified in the Regional Board's requirements, directive and conditions of the WDR.

If you have any questions, please feel free to call me at 310-522-1168. I want to thank you and the RWQCB landfill division for your support and assistance in completing this project.

Sincerely,

American Integrated Services, Inc.

A handwritten signature in black ink, appearing to read "David Herrera", written in a cursive style.

David Herrera
Principal

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
The California Endowment Terminal Annex Property
Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015												
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total
EX-1	6/10/2004	ND ⁴	---	---	---	0.15	1.4	4.2	6.2	39	88	49	59	54	300
EX-2	6/10/2004	ND	---	---	---	---	---	3.5	5.1	20	32	36	33	42	170
EX-3	6/10/2004	ND	---	---	---	10	19	36	45	120	170	110	120	120	750
EX-4	6/10/2004	ND	---	---	---	---	---	1.7	4.1	15	31	27	27	32	140
EX-5	6/10/2004	ND	---	---	13	0.82	0.97	2.0	2.5	8.0	23	16	18	21	94
EX-6	6/10/2004	ND	---	---	---	---	---	---	---	---	---	0.35	2.1	3.7	6.2
EX-7	6/10/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-8	6/10/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-9	6/10/2004	ND	---	---	---	---	0.18	2.8	13	42	68	43	43	35	250
EX-10	6/10/2004	ND	---	---	---	0.92	3.5	6.2	8.5	20	34	25	25	28	150
EX-11	6/10/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-12	6/10/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-13	6/10/2004	ND	---	---	---	0.18	0.68	2.1	1.3	3.8	8.2	4.9	4.3	4.3	30
EX-14	6/10/2004	ND	---	---	---	---	0.49	1.2	0.050	---	---	---	---	---	<5.0
EX-15	6/11/2004	ND	---	---	---	2.9	5.5	3.9	2.1	10	22	10	12	6.6	753
EX-16	6/11/2004	ND	---	---	---	1.2	2.0	1.0	1.2	2.6	11	4.8	5.7	5.6	35
EX-17	6/11/2004	ND	---	---	---	5.1	10	10	11	35	48	30	23	15	190
EX-18	6/11/2004	ND	---	---	---	3.3	5.6	11	11	21	43	35	29	24	180
EX-19	6/11/2004	ND	---	---	---	3.4	6.6	6.3	6.6	31	49	34	43	25	200
EX-20	6/11/2004	ND	---	---	---	4.9	7.7	9.0	19	30	54	32	31	31	220
EX-21	6/11/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-SW	6/11/2004	ND	---	---	---	---	---	---	---	0.19	1.4	0.10	---	---	<5.0
EX-SE	6/11/2004	ND	---	---	---	---	---	0.32	0.46	5.5	15	14	8.5	1.1	45
EX-NE	6/11/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-NW	6/11/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX25-062404	6/24/2004	ND	---	---	---	---	---	0.33	1.0	3.9	9.3	6.0	3.8	1.3	26
EX26-062404	6/24/2004	ND	---	---	---	---	---	2.0	2.5	12	24	20	18	8.6	87
EX27-064604	6/24/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX28-062404	6/24/2004	ND	---	---	---	---	---	3.1	6.5	36	7.3	15	18	14	100
EX29-062404	6/24/2004	ND	---	---	---	---	---	0.20	0.76	2.9	9.1	5.0	4.7	3.8	27
EX30-062404	6/24/2004	ND	---	---	---	---	1.6	4.5	11	59	39	36	32	23	210

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
The California Endowment Terminal Annex Property
Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015												
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total
EX31-062504	6/25/2004	ND	---	---	---	0.41	2.6	2.6	4.2	5.7	46	18	20	14	110
EX32-062504	6/25/2004	ND	---	---	---	---	---	0.075	0.88	6.0	6.7	2.0	2.8	0.35	19
EX33-062504	6/25/2004	ND	---	---	---	0.15	1.7	1.8	2.2	13	10	6.4	7.0	4.7	47
EX34-062504	6/25/2004	ND	---	---	---	---	---	---	0.14	3.3	8.3	5.7	5.8	2.9	26
EX35-062504	6/25/2004	ND	---	---	---	---	---	0.44	1.3	9.5	9.7	9.1	9.8	5.4	39
EX36-062504	6/25/2004	ND	---	---	---	0.33	1.4	2.9	3.5	10	7.4	4.7	6.3	2.4	39
EX37-062504	6/25/2004	ND	---	---	---	---	---	0.80	2.4	46	25	26	20	9.4	130
EX-32	7/7/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-33	7/7/2004	ND	---	---	0.051	2.7	5.2	12	8.7	24	33	22	21	13	140
EX-34	7/7/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-49	7/16/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-50	7/19/2004	ND	0.16	1.1	1.9	4.6	8.6	10	8.9	11	3.9	0.033	---	---	51
EX-57	7/29/2004	ND	---	---	---	---	---	---	1.9	17	52	54	67	64	260
EX-58	7/29/2004	ND	---	---	---	---	---	---	---	0.22	2.5	2.9	5.1	5.6	16
EX-59	7/29/2004	ND	---	---	---	---	---	---	---	1.4	5.8	6.6	7.1	6.7	28
EX-60	7/29/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-61	7/29/2004	ND	---	---	---	---	---	---	---	6.9	110	33	36	33	210
EX-62	7/29/2004	ND	---	---	---	---	---	0.31	0.81	4.4	11	9.3	11	15	51
EX-63	7/30/2004	ND	---	---	---	---	0.66	1.9	3.2	11	15	10	11	15	68
EX-64	7/30/2004	ND	---	---	---	---	---	---	---	1.0	4.4	4.1	5.8	7.1	22
EX-65	7/30/2004	ND	---	---	---	---	---	---	1.3	7.5	18	16	16	19	78
EX-66	7/30/2004	ND	---	---	---	---	---	---	---	2.0	19	21	22	31	95
EX-67	7/30/2004	ND	---	---	---	---	0.20	2.8	5.7	20	34	26	25	25	140
EX-68	7/30/2004	ND	---	---	---	---	0.81	2.4	3.9	13	19	15	16	18	89
EX-69	7/30/2004	ND	---	---	---	---	---	---	0.079	3.0	6.1	5.5	5.4	5.9	26
EX-70	7/30/2004	ND	---	---	---	---	---	---	---	0.14	1.7	2.2	2.6	3.2	10
EX-71	7/30/2004	ND	---	---	---	---	---	---	---	1.1	3.8	2.9	3.3	4.0	15
EX-72	7/30/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-73	7/30/2004	ND	---	---	---	---	---	0.53	1.3	5.1	8.8	7.1	7.4	6.8	37
BC-1	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
BC-2	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
 The California Endowment Terminal Annex Property
 Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015													
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total	
SP-1	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
SP-2	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
SP-3	8/4/2004	ND	---	---	---	---	---	---	---	0.10	1.9	10	5.7	5.3	4.8	28
SP-4	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-74	8/2/2004	ND	---	---	---	---	0.44	1.4	3.1	26	3.8	18	15	12	79	
EX-75	8/2/2004	ND	---	---	---	---	---	0.33	1.5	23	---	8.0	5.7	4.4	34	
EX-76	8/2/2004	ND	---	---	---	---	0.80	2.1	4.0	11	17	14	10	8.0	67	
EX-77	8/2/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-78	8/2/2004	ND	---	---	---	---	0.14	1.4	2.7	9.1	15	12	11	7.8	59	
EX-79	8/2/2004	ND	---	---	---	0.11	0.89	1.4	2.6	6.9	12	12	10	7.5	53	
EX-80	8/2/2004	ND	---	---	---	---	0.52	1.3	2.5	7.4	11	9.2	8.8	7.7	48	
EX-81	8/2/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-82	8/2/2004	ND	---	---	---	0.20	0.63	1.9	2.5	7.8	12	11	9.4	10	55	
EX-83	8/2/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-84	8/2/2004	ND	---	---	---	0.17	1.0	1.4	3.3	10	17	15	14	15	77	
EX-85	8/2/2004	ND	---	---	0.35	1.1	2.0	3.2	4.1	13	22	16	17	13	91	
EX-86	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-87	8/3/2004	ND	---	---	0.10	0.43	0.94	0.88	1.1	3.1	9.0	7.5	8.1	6.5	38	
EX-88	8/3/2004	ND	---	---	---	---	0.30	0.32	1.0	5.1	11	8.4	9.1	6.2	41	
EX-89	8/3/2004	ND	---	---	0.15	1.7	4.4	6.9	11	28	42	30	28	20	170	
EX-90	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-91	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-92	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-93	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-94	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-95	8/3/2004	ND	---	---	0.57	1.3	1.9	2.9	2.4	6.2	9.3	10	5.4	6.3	46	
EX-96	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-97	8/3/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0	
EX-98	8/4/2004	ND	---	---	0.070	0.55	1.6	2.0	1.9	4.8	8.0	2.8	1.9	0.36	24	
EX-99	8/4/2004	ND	---	---	---	---	---	0.16	0.72	3.0	4.2	0.57	---	---	8.7	
EX-100	8/4/2004	ND	---	---	---	---	0.029	0.59	1.4	4.6	5.2	0.41	---	---	12	

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
The California Endowment Terminal Annex Property
Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015													
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total	
EX-101	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-102	8/4/2004	ND	---	---	---	---	0.31	1.2	2.2	6.7	7.0	0.78	---	---	---	18
EX-103	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-104	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-105	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-106	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-107	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-108	8/4/2004	ND	---	---	---	0.14	0.86	1.2	2.0	5.3	5.9	0.91	---	---	---	16
EX-109	8/4/2004	ND	---	---	---	---	---	0.25	1.0	4.5	9.0	1.5	0.086	---	---	16
EX-110	8/4/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-111	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-112	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-113	8/5/2004	ND	---	---	---	---	---	0.17	0.62	1.9	4.1	3.6	5.6	4.5	21	
EX-114	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-115	8/5/2004	ND	---	---	---	---	---	0.023	0.14	0.67	3.5	2.7	4.2	4.0	15	
EX-116	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-117	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-118	8/5/2004	ND	---	---	---	---	---	---	---	6.1	22	22	28	27	110	
EX-119	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-120	8/5/2004	ND	---	---	---	0.51	3.4	3.6	5.3	14	24	19	26	19	110	
EX-121	8/5/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-122	8/6/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-123	8/6/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-124	8/6/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-125	8/6/2004	ND	---	---	---	---	---	0.28	0.65	2.4	7.2	4.5	4.8	6.1	26	
EX-126	8/6/2004	ND	---	---	---	---	---	---	---	0.47	3.5	2.3	2.6	2.8	12	
EX-127	8/6/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-128	8/6/2004	ND	---	---	---	---	0.056	0.63	1.1	3.8	8.9	6.8	8.1	8.1	37	
EX-129	8/6/2004	ND	---	---	---	0.13	1.3	3.1	3.1	11	19	14	18	19	89	
EX-130	8/6/2004	ND	---	---	---	---	---	0.86	1.1	4.9	16	14	19	21	77	
EX-131	8/6/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
The California Endowment Terminal Annex Property
Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015												
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total
EX-132	8/6/2004	ND	---	0.23	2.0	5.6	14	16	20	40	48	26	27	23	220
EX-133	8/9/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-134	8/9/2004	ND	---	---	---	---	0.12	1.2	0.27	0.64	1.9	1.7	1.5	2.8	10
EX-135	8/9/2004	ND	---	---	---	---	0.58	1.1	1.4	5.9	12	7.3	7.9	6.9	43
EX-136	8/9/2004	ND	---	0.50	3.0	5.6	7.6	11	13	37	55	40	32	41	240
EX-137	8/9/2004	ND	---	0.12	1.2	2.8	3.3	9.0	5.5	16	19	14	14	13	99
EX-138	8/9/2004	ND	---	---	---	0.62	1.8	3.3	3.8	34	4.9	16	17	17	98
EX-139	8/9/2004	ND	---	---	---	---	---	---	---	0.61	3.3	2.4	2.4	3.1	12
EX-140	8/9/2004	ND	---	---	---	0.43	1.3	2.5	2.4	6.9	13	8.2	10	9.0	54
EX-141	8/9/2004	ND	---	---	---	---	---	---	0.56	2.6	6.9	3.7	3.7	4.4	22
EX-142	8/9/2004	ND	---	0.51	2.1	2.5	2.5	5.4	4.1	13	18	15	15	14	92
EX-143	8/13/2004	ND	---	---	---	0.085	1.2	2.5	4.7	13	27	20	18	14	100
EX-144	8/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-145	8/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-146	8/13/2004	ND	---	---	---	---	0.27	1.4	2.6	7.7	12	9.8	9.3	7.8	51
EX-147	8/13/2004	ND	---	---	---	0.040	0.87	1.7	2.1	7.3	13	8.9	8.9	8.9	52
EX-148	8/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-149	8/13/2004	ND	---	---	---	0.70	1.9	3.1	4.1	11	17	12	12	10	72
EX-150	8/13/2004	ND	---	---	---	---	0.42	1.6	3.2	10	17	14	14	12	73
EX-151	8/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-152	8/13/2004	ND	---	---	0.10	0.92	1.8	2.4	3.5	9.7	14	11	10	9.3	63
EX-153	8/13/2004	ND	---	---	---	---	---	---	0.29	1.9	4.5	3.1	3.8	3.8	17
EX-154	8/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-155	8/14/2004	ND	---	---	---	---	0.12	1.1	---	---	---	---	---	---	<5.0
EX-156	8/14/2004	ND	---	---	---	---	0.092	1.0	0.17	---	---	---	---	---	<5.0
EX-157	8/14/2004	ND	---	---	---	---	0.029	0.83	0.17	---	---	---	---	---	<5.0
EX-158	8/14/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-159	8/14/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-160	8/14/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-161	8/14/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-162	8/14/2004	ND	---	---	0.92	3.4	5.5	7.9	11	25	35	16	19	21	140

TABLE 1

ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
Volatile Organic Compounds and Total Petroleum Hydrocarbons
The California Endowment Terminal Annex Property
Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOC's ²	Carbon Range for EPA Method 8015												
			C11-C12 ³	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total
EX-163	8/14/2004	ND	---	---	---	---	0.49	1.4	2.0	5.7	9.9	5.6	6.1	5.2	36
EX-164	8/14/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-165	8/14/2004	ND	---	---	---	---	0.15	1.4	0.11	---	---	---	---	---	<5.0
EX-166	8/14/2004	ND	---	---	---	---	0.094	1.1	---	---	---	---	---	---	<5.0
EX-167	8/14/2004	ND	---	---	---	---	0.055	1.1	0.15	---	---	---	---	---	<5.0
EX-168	8/14/2004	ND	---	---	---	0.17	1.4	2.2	4.6	10	18	12	6.3	8.5	63
EX-169	8/14/2004	ND	---	---	---	---	1.1	3.4	2.0	8.7	14	10	8.3	7.3	55
EX-170	8/16/2004	ND	---	---	1.4	2.3	2.4	3.2	5.3	15	35	32	34	31	160
EX-171	8/16/2004	ND	---	0.019	1.4	2.2	4.0	4.7	6.8	20	38	30	43	35	190
EX-172	8/16/2004	ND	---	---	0.28	2.6	6.4	9.2	7.5	16	18	9.3	11	8.8	90
EX-173	8/16/2004	ND	---	0.00036	0.58	0.89	2.5	1.9	1.0	3.0	6.0	4.7	4.4	3.6	29
EX-174	8/16/2004	ND	---	0.0066	0.29	1.0	1.8	2.2	3.1	7.1	12	7.3	9.6	8.8	53
EX-175	8/16/2004	ND	---	---	0.22	0.79	1.3	2.5	2.4	5.7	8.7	5.5	9.4	8.9	46
EX-176	8/16/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-177	8/16/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-179	8/21/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-180	8/21/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-181	8/21/2004	ND	---	---	---	---	0.051	1.0	1.5	8.4	16	15	11	12	65

1. Soil samples were collected from the excavated material approximately every 250 cubic yards and additional soil samples were collected based on field observations. The total volume of soil transported to Puente Hills was approximately 37,870 cubic yards, estimated from 2,705 trips with 14 cubic yard trucks.

2. VOC's = volatile organic compounds analyzed by EPA Method 8260B; for a complete list of analytes, see laboratory analytical reports.

3. 'C' denotes a carbon atom; C7-C11 were not detected in any samples shown in this table.

4. ND = no detectable VOC's; see laboratory analytical reports for detection limits of each analyte.

5. --- = below laboratory detection limit, which is taken to be the detection limit for C in the diesel range (5.0 mg/kg)

TABLE 2
ANALYTICAL RESULTS OF SOIL DISPOSED AT PUENTE HILLS LANDFILL
TITLE 22 METALS¹

The California Endowment Terminal Annex Property
Los Angeles, California

Results in milligrams per kilogram (mg/kg)

Sample	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (Total)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
EX-20	6/11/04	<0.750 ²	1.97	60.7	<0.250	0.560	7.18	4.76	13.4	16.9	0.0881	<0.250	6.24	<0.750	<0.250	<0.750	16.3	32.9
USP-METALS 071404	7/14/04	<0.750	1.06	66.3	<0.250	<0.500	7.78	5.58	14.8	18.0	<0.0835	<0.250	6.81	<0.750	<0.250	<0.750	17.5	37.2
EX-60	7/29/04	<0.750	<0.750	32.9	<0.250	<0.500	3.84	3.16	5.35	1.65	0.102	<0.250	3.04	<0.750	<0.250	<0.750	9.79	16.3
EX-80	8/2/04	<0.750	1.50	55.9	<0.250	<0.500	6.71	4.30	13.4	15.0	0.126	0.420	6.30	<0.750	<0.250	<0.750	16.4	40.0
EX-100	8/4/04	<0.750	1.63	64.1	<0.250	<0.500	7.35	4.77	15.5	20.3	0.161	0.957	6.38	<0.750	<0.250	<0.750	17.3	39.5
EX-120	8/5/04	<0.750	1.37	62.0	<0.250	0.691	5.71	3.96	12.1	13.8	0.0903	0.778	5.15	<0.750	<0.250	<0.750	14.2	27.4
EX-140	8/9/04	<0.750	1.44	51.7	<0.250	<0.500	7.21	4.43	8.36	5.96	<0.0835	2.16	5.08	<0.750	<0.250	<0.750	19.6	24.9
EX-160	8/14/04	<0.750	1.67	49.3	<0.250	<0.500	5.37	4.10	7.12	3.42	0.0855	2.21	4.03	<0.750	<0.250	<0.750	15.6	24.1
EX-180	8/21/04	<0.750	<0.750	63.8	<0.250	<0.500	8.55	5.09	9.93	7.64	0.105	2.06	6.11	<0.750	<0.250	<0.750	25.1	28.3

1. Analyzed by EPA Method 6010B, except Mercury (EPA Method 245.5).
2. '<' denotes a value less than the laboratory reporting limit.

TABLE 3

ANALYTICAL RESULTS OF SOIL DISPOSED AT THERMAL REMEDIATION SOLUTIONS
Volatile Organic Compounds and Total Petroleum Hydrocarbons

The California Endowment Terminal Annex Property
 Los Angeles, California

Results reported in milligrams per kilogram (mg/kg)

Sample ¹	Date	VOCs ²	Carbon Range for EPA Method 8015														
			C8 ³	C9-C10	C11-C12	C13-C14	C15-C16 ³	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C7-C44 total
EX-22	6/14/2004	ND ⁴	---	---	---	---	---	---	---	---	0.92	9.5	23	13	12	11	69
B4@20'	6/22/2004	0.25 ⁶	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
PBI-062304	6/23/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
PST-062304	6/23/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	2.5	2.4	<5.0
EX-35	7/12/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-36	7/12/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-37	7/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-38	7/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-39	7/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-40	7/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-41	7/13/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-42	7/14/2004	ND	---	---	---	---	---	0.39	0.48	1.2	2.9	16	30	15	14	9.5	89.0
EX-43	7/14/2004	ND	---	---	---	---	0.017	0.54	0.91	2.0	1.8	16	0.66	7.8	7.2	6.4	43
EX-44	7/14/2004	ND	---	---	---	---	0.14	0.98	1.8	2.3	3.4	9.1	13	8.3	6.5	5.0	50
EX-45	7/15/2004	ND	---	---	---	---	---	---	---	---	1.0	4.3	10	7.3	7.9	2.1	33.0
EX-46	7/15/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-47	7/15/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-48	7/16/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-51	7/21/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-52	7/21/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-53	7/21/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-54	7/23/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-55	7/23/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-56	7/23/2004	ND	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5.0
EX-178	8/20/2004	195	0.86	310	670	170	17	9.8	8.2	11	7.9	2.5	---	---	---	---	1,200

1. Soil samples were collected from the excavated material approximately every 250 yd³.
2. VOCs = Total volatile organic compounds analyzed by EPA Method 8260B, for a complete list of analytes, see laboratory analytical reports.
3. 'C' denotes a carbon atom; C7 was not detected in any of the samples shown in this table.
4. ND = no detectable VOCs, see laboratory analytical reports for detection limits on each analyte.
5. --- = below laboratory detection limit, which is taken to be the detection limit for C in the diesel range (5.0 mg/kg)
6. See Table 4 for detected VOCs.

TABLE 4

ANALYTICAL RESULTS OF SOIL DISPOSED AT THERMAL REMEDIATION SOLUTIONS

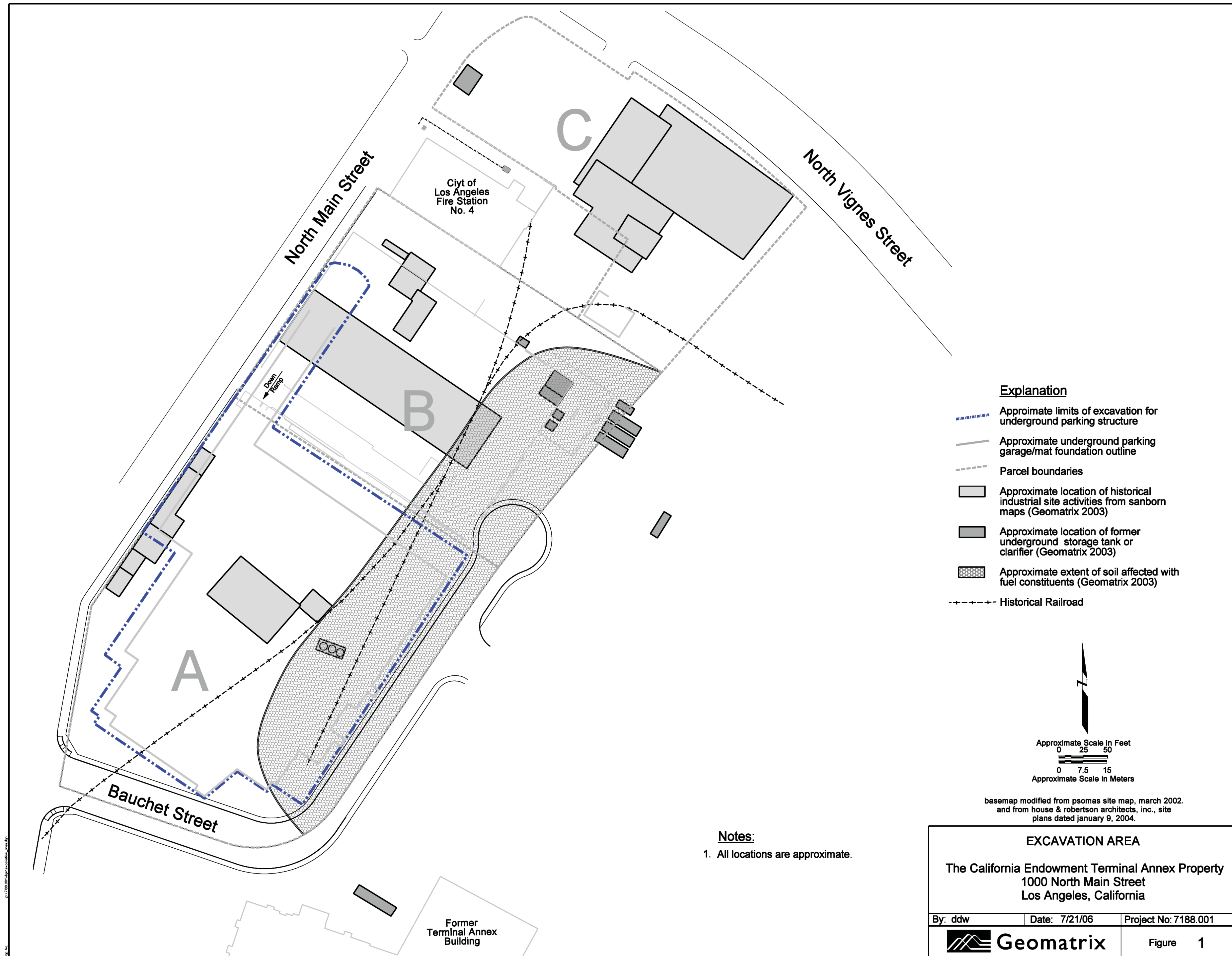
Volatile Organic Compounds¹

The California Endowment Terminal Annex Property
Los Angeles, California







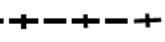
Results reported in micrograms per kilogram (µg/kg)

Sample	Date	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-TMB ²	1,3,5-TMB ³	Total Xylenes
B4@20'	6/22/2004	10	<5.0	25	6.4	<5.0	110	39	32	8.1	15.2
EX-178	8/20/2004	17000	2400	1700	1400	1300	34000	8100	86000	28000	14800

1. EPA Method 8260B; for a list of analytes not detected in any of the samples see analytical reports attached.
2. 1,2,4-TMB = 1,2,4-Trimethylbenzene.
3. 1,3,5-TMB = 1,3,5-Trimethylbenzene.



Explanation

-  Approximate limits of excavation for underground parking structure
-  Approximate underground parking garage/mat foundation outline
-  Parcel boundaries
-  Approximate location of historical industrial site activities from sanborn maps (Geomatrix 2003)
-  Approximate location of former underground storage tank or clarifier (Geomatrix 2003)
-  Approximate extent of soil affected with fuel constituents (Geomatrix 2003)
-  Historical Railroad



Approximate Scale in Feet
 0 25 50
 Approximate Scale in Meters
 0 7.5 15

basemap modified from psomas site map, march 2002.
 and from house & robertson architects, inc., site plans dated january 9, 2004.

Notes:

1. All locations are approximate.

EXCAVATION AREA

The California Endowment Terminal Annex Property
 1000 North Main Street
 Los Angeles, California

By: ddw Date: 7/21/06 Project No: 7188.001



Figure 1

10/27/05 10:54 AM

August 8, 2006
Project 7188.001

Mr. Vincent Owens
City of Los Angeles Fire Department
UST Unit
200 N. Main Street, Suite 1700
Los Angeles, California 90012

Subject: Underground Storage Tank Removal and Closure Documentation
 Division 5 Permit No. 4001
 The California Endowment Terminal Annex Property
 1000 N. Main Street
 (Listed as 1000 N. Alameda Street on Permit)
 Los Angeles, California

Dear Mr. Owens:

Geomatrix Consultants Inc. (Geomatrix) has prepared this letter report on behalf of The California Endowment (The Endowment) to document underground storage tank (UST) removal, soil sampling, and laboratory analysis at The Endowment's Center for Healthy Communities site and to request formal closure for the UST. The site is located east of the intersection between Alameda and North Main Streets in Los Angeles, California (Figure 1). A 280-gallon UST was removed and soil sampling from below the UST was conducted on December 2, 2004 under your supervision. The UST removal and soil sampling were conducted under the City of Los Angeles Fire Department's (LAFD) UST Division 5 Permit No. 4001 granted December 2, 2004. Visual observations of the tank indicated the tank top, sides, and bottom were intact and there were no chemical odors or indications of chemical impact in soil below and surrounding the tank. Although petroleum hydrocarbons in the diesel range were detected in the sample collected from 2 feet below the UST, no target analytes were detected in the sample collected from 4 feet below the UST. The UST removal, sampling, and disposal activities are described below.

BACKGROUND

The Endowment recently completed construction of a commercial office building and community conference center with an underground parking garage and surface parking lot. During construction activities in December 2004, a 280-gallon UST was discovered in the western portion of the site in an area that formerly was located below the United States Postal Service (USPS) Alameda Station building (760 N. Main Street; Figure 2). The UST had its original label from 1947, which stated its capacity as 280 gallons. A review of LAFD records and historical Sanborn Fire Insurance Maps for the site did not yield any information regarding the presence or use of the UST, nor did a Phase I environmental site assessment conducted by



Mr. Vincent Owens
City of Los Angeles Fire Department
UST Unit
August 8, 2006
Page 2

Geomatrix in 2002. The UST appeared to contain fuel oil and the contents had an odor similar to that of oil.

FIELD ACTIVITIES

American Integrated Services, Inc. (AIS) of Wilmington, California was retained by The Endowment to remove the UST and surrounding soil. On December 2, 2004, AIS obtained a LAFD Division 5 Permit for UST Abandonment by Removal (Permit No.4001; Attachment A). Additionally, on December 2, 2004, under your oversight, UST removal activities were performed by AIS and soil sampling activities were performed by Geomatrix. A photo log of the UST removal activities is included as Attachment B.

Air monitoring with a portable photoionization detector (PID) was performed by AIS in accordance with South Coast Air Quality Management District Rule 1166. The liquid contents of the UST were removed by a vacuum truck operated by AIS. The inside of the UST was rinsed by AIS with potable water and the rinseate was removed by a vacuum truck. The UST contents and rinseate were transported by AIS under a non-hazardous waste manifest (Attachment C) to Crosby and Overton in Long Beach, California, for thermal treatment and disposal. Following your approval, the UST was removed from the ground using a backhoe and placed on a flatbed truck and secured. The UST was transported the same day by AIS to Wilmington Equipment Sales, Inc. in Wilmington, California for recycling. The certificate of tank destruction is included as Attachment D.

The UST had no holes in its bottom or elsewhere and the soil beneath and surrounding the UST did not appear stained, have an odor, or indications of impact from field screening with a PID. Pursuant to your request, Geomatrix sampled the soil from the center of the UST cavity at a depth of 2 feet below the former UST bottom (sample SS4; the sample was designated "SS4" because other soil samples also were collected that day from other portions of the site as part of soil screening activities). Soil sample SS4 was collected utilizing EPA Preparation Method 5035; three Encore samplers were pushed into the soil from an approximate depth of 2 feet below the former UST. Each Encore sampler was labeled, sealed in its bag, and stored on ice in a cooler. The samples were delivered to Calscience Environmental Laboratories, Inc. (Calscience) of Garden Grove, California under chain of custody procedures for analysis of total petroleum hydrocarbons in the diesel range (TPHd) using EPA Method 8015M, methanol and ethanol using EPA Method 8015B, and benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX), and fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl



Mr. Vincent Owens
City of Los Angeles Fire Department
UST Unit
August 8, 2006
Page 3

ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA) using EPA Method 8260B. The excavation was backfilled with unaffected soil from other areas of the site.

TPHd was reported in sample SS4 at a concentration of 6300 milligrams per kilogram (mg/kg); no other target analytes were detected at or above their respective laboratory reporting limits. Due to the reported concentration of TPHd in the 2-foot sample (SS4), on January 21, 2005, an additional 4 feet of soil was excavated from below the former UST along with the previously placed backfill. Two additional confirmation samples were collected from 4 feet and 6 feet below the bottom of the former UST, BUST-4' and BUST-6', respectively, using EPA Preparation Method 5035. Visual observations and field screening of soil below the UST using a PID did not suggest soil was impacted; however, due to a limited working area, absence of available staging area for excavated soil, and tight construction schedule on the property, soil excavated from below the UST was directly loaded into trucks and transported under a non-hazardous waste manifest (Attachment E) to Thermal Remediation Solutions in Azusa, California for treatment and recycling. No target analytes were detected in the 4-foot sample at or above their respective reporting limits; therefore the 6-foot sample was not analyzed. The excavation was backfilled with surrounding unaffected soil.

LABORATORY ANALYSES

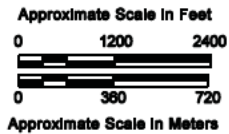
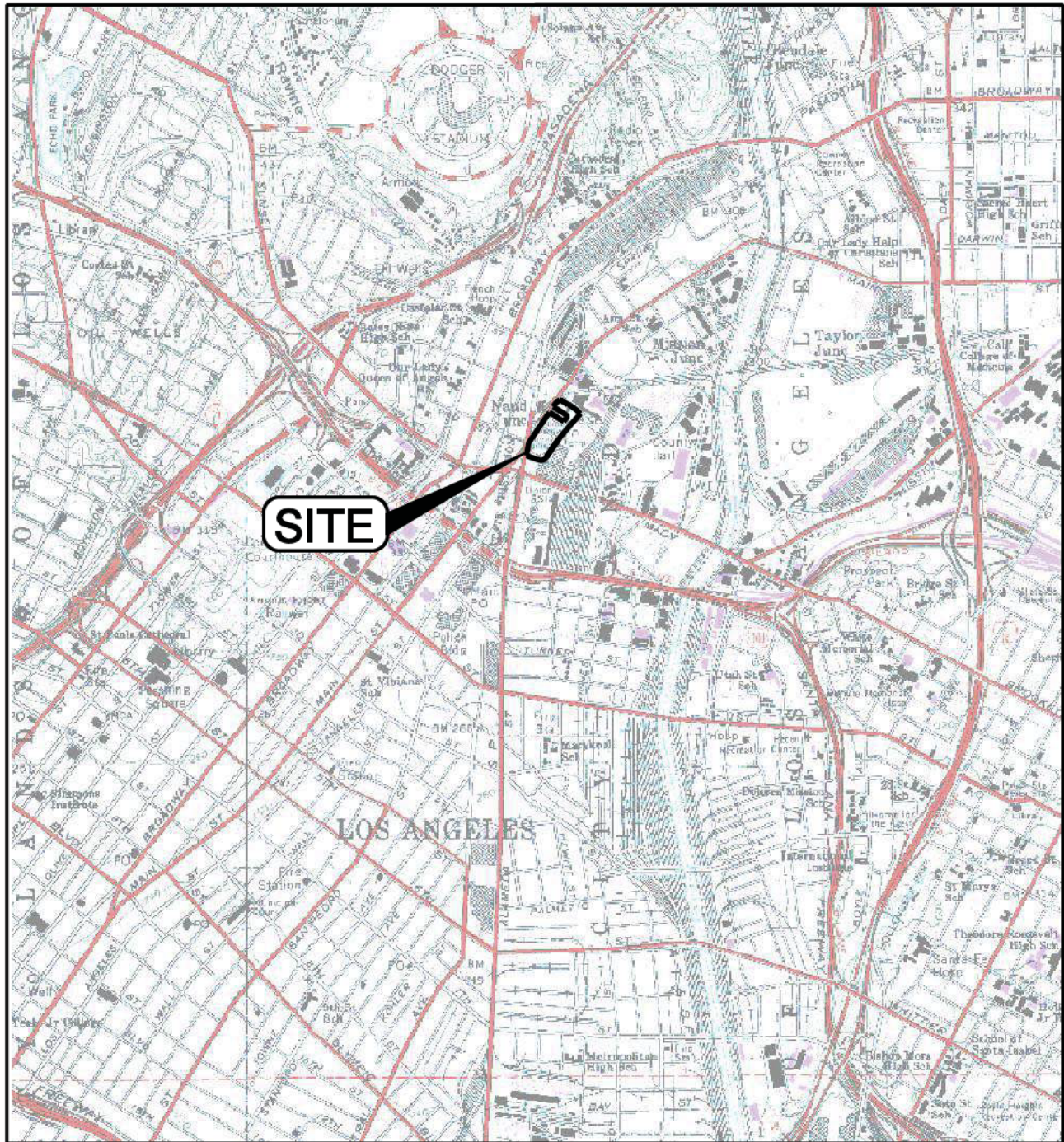
Soil samples SS4 and BUST-4' were analyzed for:

- TPHd using EPA Method 8015M;
- ethanol and methanol using EPA Method 8015B; and
- BTEX, and fuel oxygenates MTBE, TBA, DIPE, ETBE, and TAME using EPA Method 8260B.

TPHd was detected in sample SS4 (2 feet below UST) at a concentration of 6300 mg/kg; however, was not detected in sample BUST-4' (4 feet below UST). No other target constituents were detected in either sample. The laboratory analytical reports for the soil samples are included with this letter as Attachment F.

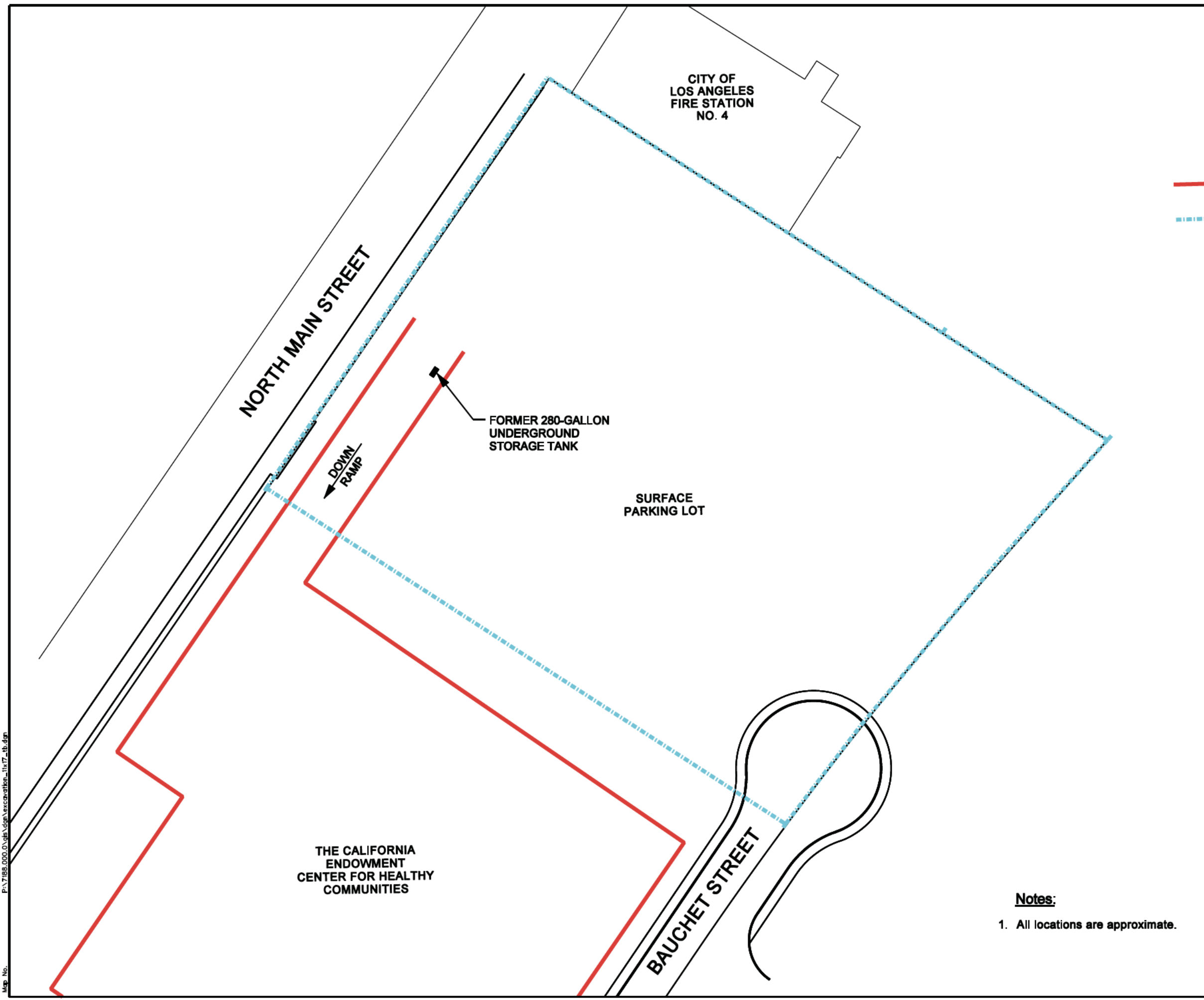
FIGURES

Map No.: p:\7188.00\vis\acad\term_site_location.tb_v2.dgn



BASEMAP MODIFIED FROM U.S.G.S. 7.5 MINUTE QUADRANGLE MAP
 LOS ANGELES 1986, CALIFORNIA. PHOTO-REVISED 1981.
 HOLLYWOOD 1986, CALIFORNIA. PHOTO-REVISED 1981.

<p>SITE LOCATION MAP THE CALIFORNIA ENDOWMENT TERMINAL ANNEX PROPERTY 1000 North Main Street Los Angeles, California</p>		
By: ddw	Date: 8/8/06	Project No: 7188.001
		<p>Figure 1</p>



Explanation

- BOUNDARY OF EXISTING CENTER FOR HEALTHY COMMUNITIES
- - - SURFACE PARKING LOT FOR ADJACENT CENTER FOR HEALTHY COMMUNITIES BUILDING

THE CALIFORNIA
ENDOWMENT
CENTER FOR HEALTHY
COMMUNITIES

CITY OF
LOS ANGELES
FIRE STATION
NO. 4

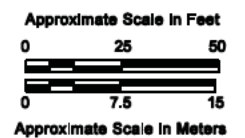
FORMER 280-GALLON
UNDERGROUND
STORAGE TANK

SURFACE
PARKING LOT

NORTH MAIN STREET

BAUCHET STREET

DOWN
RAMP



BASEMAP MODIFIED FROM PSOMAS SITE MAP, MARCH 2002.
AND FROM HOUSE & ROBERTSON ARCHITECTS, INC., SITE
PLANS DATED JANUARY 9, 2004.

FORMER UST LOCATION
THE CALIFORNIA ENDOWMENT
CENTER FOR HEALTHY COMMUNITIES
1000 NORTH MAIN STREET
Los Angeles, California

Notes:

1. All locations are approximate.

P:\7188.000\01\gib\sign\vacavacation-11x17_fb.dgn
 Map No.



SOIL AND GROUNDWATER MANAGEMENT PLAN

The California Endowment Terminal Annex Property
760 North Main Street
Los Angeles, California

Prepared for:

The California Endowment
21650 Oxnard Street, Suite 1200
Woodland Hills, California 91367

Prepared by:

Geomatrix Consultants, Inc.
330 W. Bay Street, Suite 140
Costa Mesa, California 92627
(949) 642-0245

May 19, 2004

Project No. 7188.001

Geomatrix Consultants


**SOIL AND GROUNDWATER
MANAGEMENT PLAN**

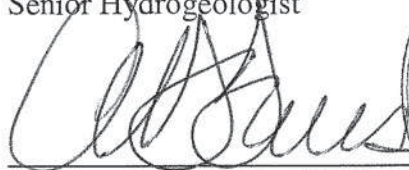
The California Endowment Terminal Annex Property
760 North Main Street
Los Angeles, California

May 19, 2004
Project No. 7188.001

This report was prepared by the staff of Geomatrix Consultants, Inc., under the supervision of the Engineer and/or Geologist whose signature appears hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, after being prepared in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.


Timothy F. Wood, C.H.G., #618
Senior Hydrogeologist


Anthony Daus, R.G., #4267
President and
Principal Hydrogeologist

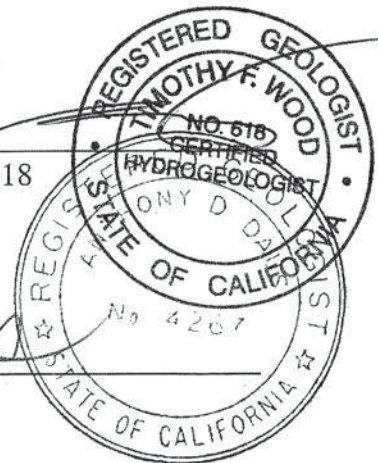


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SOIL AND GROUNDWATER MANAGEMENT PLAN

The California Endowment Terminal Annex Property
760 North Main Street
Los Angeles, California

1.0 INTRODUCTION

On behalf of The California Endowment (The Endowment), Geomatrix Consultants, Inc. (Geomatrix) has prepared this soil and groundwater management plan (SGMP) for The Endowment Terminal Annex Property (the Site) located at 760 North Main Street in Los Angeles, California.

As a result of historical activities and based on previous site investigation activities, concentrations of volatile organic compounds (VOCs) and petroleum hydrocarbons (PHCs) remain in soil and groundwater at the Site that may exceed certain regulatory criteria if these materials are disturbed. Remediation of soil and groundwater was conducted with oversight by the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB, Case #900120316) and case closure was granted by the LARWQCB in November 1999 with VOC- and PHC-affected soil and groundwater remaining at the Site. As we understand, The Endowment is planning on redeveloping the Site into a commercial office complex with a subsurface parking structure. This planned structure and the activities undertaken to construct and operate the structure may encounter VOC- and PHC-affected soil and/or groundwater.

This SGMP provides procedures for Site operation, maintenance, and development activities that may disturb Site soils and/or groundwater at the Site. This SGMP should be used for soil and groundwater management activities that will be part of the planned Site redevelopment as well as other potential future Site activities. A separate Health and Safety Plan for Site workers should be prepared by contractors working at the Site.

The objectives of the SGMP are:

- to summarize existing conditions at the Site;
- to provide a plan for management of soil and/or groundwater disturbed during construction, maintenance, or development activities; and

- to meet the Specific Plan Compliance Conditions outlined in Section 22A of the Alameda District Specific Plan Project Plan Review, Determination and Findings (Case No. DIR-2004-1173-SPP) dated April 22, 2004.

Terms used in this SGMP include the following:

- Owner – current property owner at any given time (term also applies to leaseholders);
- Contractor – party conducting on-Site activities as engaged by the Owner or other parties;
- Engineer – current engineer/consultant engaged by the Owner to assist in implementing this SGMP;
- Potentially Affected Soil – Soil with obvious staining or odors indicative of possible contamination; and
- Affected Soil – Soil with chemical concentrations exceeding unrestricted use levels, as determined through laboratory analysis.

This document describes:

- Site background and current soil and groundwater conditions;
- activities covered by this SGMP, including planned redevelopment and soil management activities;
- representations and limitations of the SGMP; and
- references used in preparing the SGMP including those that provide information about known environmental conditions at the Site.

2.0 SITE BACKGROUND AND SUMMARY OF KNOWN ENVIRONMENTAL CONDITIONS

The 2.9-acre Site is located in one of the oldest sections of downtown Los Angeles, just north of Union Station and historic Olvera Street and approximately ½-mile west of the Los Angeles River (Figure 1).

2.1 INITIAL SITE REVIEW

In August 2001, Geomatrix reviewed reports provided by The Ratkovich Company and prepared by Law/Crandall, Inc. (Law) dated between 1994 and 2000. The reports were related to the investigation, removal, and remedial activities associated with seven underground

storage tanks (USTs) and one clarifier formerly located at the site, as well as one UST and one clarifier located on the adjacent portion of the former Terminal Annex property. In addition, Geomatrix reviewed Phase I environmental site assessment (ESA) reports for the former Terminal Annex Property prepared by Law in 1994, URS Dames & Moore in 2000, and Property Solutions, Inc. in 2001. The findings of our review were as follows:

- The site has been used primarily for industrial use since at least 1888 up until 1953, when it was redeveloped into a United States Postal Service (USPS) facility. Site use has included auto shops, machine shops, railroad spurs, lumber and planing mills, engine works, a plastics manufacturing facility, a railroad car bearing manufacturing facility, and a vehicle maintenance facility.
- Soil and groundwater at the site was impacted by fuel hydrocarbons that apparently leaked from former UST facilities (we will refer to the UST facilities including associated piping and pumps as the USTs). Eight USTs and two clarifiers were removed between January 21 and September 6, 1992, a remediation program was implemented, and the case was closed in November 1999 by the LARWQCB (Case #900120316).
- Soil and groundwater impacted by fuel hydrocarbons remain at the site.
- Groundwater occurred at depths below ground surface between 22 and 32 feet and flowed to the south-southwest.
- Portions of the property, including areas where hazardous materials may historically have been handled, had not been investigated.
- Fill material from an unknown origin had been placed at the site.

2.2 LIMITED PHASE II INVESTIGATION

In September 2001, prior to completing a Phase I ESA, Geomatrix performed a limited Phase II investigation to assess subsurface conditions at the site. The intent of the limited Phase II investigation was to identify potential subsurface environmental liabilities associated with redevelopment of the property. The investigation included: (1) collecting soil gas samples and analyzing the samples for VOCs, methane, and hydrogen sulfide; (2) collecting soil samples and analyzing selected samples for VOCs, metals, semi-volatile organic compounds (SVOCs), and/or polychlorinated biphenyls (PCBs); and (3) collecting shallow groundwater samples and analyzing the samples for VOCs, total petroleum hydrocarbons (TPH), and/or general water quality parameters. The results of our limited investigation indicated the following:

2.2.1 Soil Gas

- Tetrachlorethene (PCE) was detected in soil gas samples at six of seven locations sampled at concentrations to 24 micrograms per liter ($\mu\text{g/l}$) or parts per billion (ppb). Reported PCE concentrations were all below the existing California Regional Water Quality Control Board, San Francisco Bay Region risk-based screening levels (RBSLs) of 48 and 170 $\mu\text{g/l}$ for residential and industrial protection, respectively.¹ No source of these low concentrations of PCE has been identified.
- Methane and hydrogen sulfide were not detected above the laboratory reporting limit of 1 milliliter per cubic meter (ml/m^3) or part per million by volume (ppmv) at any of the seven sampling locations.

2.2.2 Soil

- PHCs were not detected above laboratory reporting limits at any of the six shallow soil sampling locations; however, an apparent PHC odor and dark colored soil were observed in one boring at a depth of 6.5 feet below ground surface (bgs).
- All reported concentrations of metals, including arsenic, were below their respective background concentrations based on Background Concentrations of Trace and Major Elements in California Soils by Kearney Foundation of Soil Science (Kearney, 1996). Except for arsenic, the reported concentrations of metals in the shallow soil samples were below their respective California Code of Regulations Title 22 total threshold limit concentrations (TTLCs) and United States Environmental Protection Agency (US EPA) Region 9 residential and industrial preliminary remediation goals (PRGs; US EPA, 2001).² Arsenic was reported at concentrations above the residential PRG in five of the six samples and above the industrial PRG in one of the six samples. Arsenic is often naturally found at concentrations exceeding PRGs in California.
- VOCs, including PCE and 1,1,1-trichloroethane (1,1,1-TCA), were detected in shallow soil at one of the six shallow soil sampling locations. Concentrations were lower than the PRGs for residential development but would likely impact off-site disposition of the soils. In addition, dilution of the two deeper soil samples by the laboratory due to the presence of PHCs in the samples did not provide low enough detection limits to fully assess the potential presence of PCE and 1,1,1-TCA at the deeper locations. No source of the PCE or 1,1,1-TCA has been identified on the site.

¹ These are the only soil gas levels published by a regulatory agency with jurisdiction in California. Senate Bill 32 allows for pilot use of these criteria in areas regulated by the Los Angeles, San Diego, and Santa Ana Regional Boards, which include this site.

² PRGs combine current EPA toxicity values with standard exposure factors to estimate concentrations in environmental media (e.g., soil) that are protective of human health, including sensitive subgroups, over a lifetime. They are typically equivalent to the RBSLs for human health developed by the California Regional Water Quality Control Board, San Francisco Region.

- Elevated concentrations of several VOCs, including trimethylbenzenes (TMBs), were reported in each of the two deeper soil samples. These constituents appear to be associated with the release(s) from the USTs previously located at the site. The levels potentially could exceed acceptable risk levels assuming migration of TMB vapors to indoor air based on a screening evaluation using the Johnson and Ettinger model as advocated by the California Department of Toxic Substances Control (DTSC).
- SVOCs and PCBs were not detected in shallow soil above laboratory reporting limits at each of the five locations where soil samples were analyzed for these constituents.

2.2.3 Groundwater

- PHCs were reported in one of the four shallow groundwater samples collected at concentrations of 29 milligrams per liter (mg/l) in the gasoline range (C6 to C10) and 10 mg/l in the diesel fuel range (C10 to C22). This sample was collected in the vicinity of the former USTs.
- No metals were detected in groundwater samples above LARWQCB Water Quality Control Plan water quality objectives (LARWQCB, 1994) in three of the four samples that were prepared and analyzed by the laboratory.
- Elevated concentrations of several VOCs, including TMBs, were detected in two of the four shallow groundwater samples. These samples were located downgradient of the leaking USTs formerly located at the site and were from the same locations that the deeper soil samples containing elevated concentrations of VOCs, including TMBs. These constituents appear to be associated with the release from the former USTs.
- Sulfate was detected in a groundwater sample at a concentration exceeding the Water Quality Control Plan water quality objective (LARWQCB, 1994). In addition, total dissolved solids (TDS) and chloride were detected in this groundwater sample at concentrations approaching the water quality objectives. Methane also was detected at a low concentration. Soluble sulfide was not detected above laboratory reporting limits; however, hydrogen sulfide odor was noted in one groundwater sample not analyzed for general water quality parameters. These constituents may represent background groundwater quality as shallow groundwater in this part of the Los Angeles Basin is often impacted by these constituents based on our experience.

In summary, the limited Phase II activities identified several VOCs in groundwater, soil, and soil gas that required further evaluation. These VOCs include PCE, 1,1,1-TCA, and TMBs. While the source of PCE and 1,1,1-TCA is unknown, the TMBs are likely originating from the former USTs. PHCs also were identified in groundwater at the site and possible visual indications of PHCs were identified in certain soil samples. PHCs likely are associated with

the former USTs and may also be present at other locations at the site given its former use as a vehicle maintenance facility and the historical presence of industrial facilities. Finally, the site is underlain by fill of unknown origin. Characterization of the fill was recommended to assess potential costs to dispose of the fill material that would be removed from the property during development.

2.3 EXPANDED PHASE II INVESTIGATION AND PHASE I ESA

On March 15, 2002, Tony Daus and Tim Wood of Geomatrix met with Steve Dietrich of The Financial Research Group, O'Malley Miller and Pat Cafferty (by telephone) of Munger, Tolles & Olson LLP (MTO), and Michael Simmons of Michael Simmons Property Development to discuss potential development of the site and areas that may be of potential environmental concern if that development moves forward. Based on that meeting, it was our understanding that The Endowment was considering developing a multi-story commercial building with one level of underground parking in the southern portion of the site at the location of the USPS employee parking lot (Parcel A; Figure 2). This construction would require excavation and off-site disposition of subsurface materials (soil and fill) to a depth of at least 14 feet bgs, and possibly deeper at locations of building footings and elevator shafts. Temporary dewatering of shallow groundwater may be required during construction. In addition, we understood The Endowment had not yet developed plans for the remainder of the site, but was considering construction of a multi-story commercial building with one level of underground parking at the location of the existing USPS branch office (Parcel B), and the development of a park or recreational sports field on Parcel C.

Following the March 15, 2002 project meeting, The Endowment requested that Phase I and additional Phase II assessment activities be performed to further evaluate environmental conditions that may impact the purchase and development of the property as planned by The Endowment. Phase I and additional Phase II activities were initiated in March 2001. The preliminary findings of the Phase I ESA were used to identify sampling locations for the additional Phase II activities. The findings of the Phase I ESA are shown on Figure 2 and are summarized below:

- Review of historical topographic maps, historical aerial photographs, historical city directory abstracts, Sanborn fire insurance maps, previous environmental assessment reports, and the interview with owner representative indicate that the site has been used primarily for industrial use since at least 1888 up until 1953, when it was redeveloped into a USPS facility. Site use has included auto shops, machine shops, railroad spurs, lumber and planing mills, engine works, a plastics

manufacturing facility, a railroad car bearing manufacturing facility, and a vehicle maintenance facility.

- Soil and groundwater at the site are impacted by fuel hydrocarbons that apparently leaked from former UST facilities. The UST facilities were removed, a remediation program was implemented, and the case was closed in November 1999 by the LARWQCB (Case #900120316). The case was closed with fuel affected soil and groundwater still present in the subsurface.
- Boring logs from Phase II activities performed at the site in September 2001 by Geomatrix, and in January 1994 by Law (Law, 1994a) indicate that shallow subsurface geologic materials at the site consist of undocumented fill to depths of approximately 9 feet bgs. The fill materials consist of silty sand, silt, clay, and clayey sand with observed fragments of brick, concrete, and metal. The age of the fill is unknown but likely pre-dates the development of the site.
- Diesel fuel affected soil from a former leaking UST is located at L.A. Fire Station No. 4. Although the impact appears to be limited to shallow soils, and the consultant that removed the UST recommended “no further action,” Geomatrix was not able to confirm that no further action has been agreed upon by either the CLAFD or LARWQCB.
- Although the site has achieved closure for the former UST fuel release, affected soil and groundwater remain at the site. If the site is used for the proposed multi-story commercial building and underground parking, excavation and dewatering of the soil may be necessary. In the event that excavation and dewatering is necessary, affected soil and groundwater that is disturbed or produced would require handling in accordance with applicable environmental regulations, as necessary.

Following review of our preliminary findings of the Phase I ESA, additional Phase II activities were performed in April 2002 to further assess the site, including areas of the property where hazardous materials may have been handled that had not been investigated, and fill material from an unknown origin that is present at the site. The additional Phase II activities included: (1) performing a geophysical survey of shallow soils; (2) collecting and analyzing soil gas samples for VOCs, methane, and hydrogen sulfide; (3) collecting and analyzing soil samples for total petroleum hydrocarbons with carbon chain distinction (TPHcc), VOCs, metals, SVOCs, PCBs, pesticides, and/or herbicides; and (4) collecting and analyzing shallow groundwater samples for TPHcc, VOCs, metals, and/or general water quality parameters.

The findings of the Expanded Phase II Investigation are summarized below.

Historical Site Use

Sanborn maps analyzed during our due diligence activities indicate that the Site has been used primarily for industrial use from at least 1888 to 1953 and has included, but may not be limited to, auto shops, machine shops, railroad spurs, lumber and planing mills, engine works, a plastics manufacturing facility, and a vehicle maintenance facility. The USPS has operated at the Site since about 1953. Historical structures on the property that represent a potential area of environmental concern include gasoline, diesel fuel, motor oil, and waste oil underground storage tanks (USTs), and waste clarifiers. These industrial facilities and structures were subsequently evaluated through a combination of assessing the activities performed by others regarding removal and subsequent remediation of soil and groundwater associated with the leaking USTs and performing independent subsurface investigation (Phase II) activities to verify prior findings and assess potential areas of environmental concern where no record of subsurface investigation was available.

Upper 15 Feet of Soil

As we understand, portions of the upper 15 feet of subsurface materials (soil and fill) may be excavated during redevelopment. The results of our soil sampling program indicate that at the locations tested, the upper 15 feet of soil, which may include up to nine feet of fill, does not contain concentrations of target analytes³ that should require special handling or increased offsite disposal costs.

It should be recognized that while our findings did not identify concentrations of target analytes in the upper 15 feet that would require special handling or disposal, it is not possible to test every location at the Site and areas of impacted soils may be encountered during Site excavation activities, particularly in the vicinity of the former USTs and clarifiers.

Soil from 15 feet to 25 feet Below Ground Surface

Soil between depths of 15 and 25 feet below grade in the eastern part of Parcels A and B, portions of which may be excavated during Site development for foundation footings, elevator shafts, or other construction requirements, may require special handling and increased offsite disposal costs due to residual VOC and PHC contamination from the leaking USTs formerly located in this area and remediated by the USPS. Soils from this depth interval across the remainder of the Site did not contain target analytes at concentrations of concern, if detected.

³ Target analytes included petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), semivolatile organic compounds (SVOCs), metals, herbicides, and pesticides.

During our Phase II investigation, volatile fuel constituents were found in soil below an approximate depth of 20 feet in the eastern portions of Parcels A and B. These constituents may be present at shallower depths in some localized areas south and southwest (downgradient with respect to groundwater) of the former leaking USTs. Petroleum hydrocarbon-like odors were encountered during drilling activities at depths of around 15 feet below grade.

As we understand, the current design concept includes the use of an impermeable barrier below the garage to obviate the need for groundwater dewatering. If designed and installed properly, this barrier will help to reduce the potential migration of soil gas into the planned structure and will provide an additional factor of safety with respect to potential future risk to building occupants from constituents in soil vapor.

Shallow Groundwater

Shallow groundwater was encountered beneath the Site at a depth of approximately 23 feet. Shallow groundwater reportedly was encountered by Law/Crandall⁴ at depths between approximately 22 and 32 feet in monitoring wells that were present at the Site between 1993 and 1999. Horizontal flow reportedly was to the south-southwest.

General water quality parameters, including TDS, chloride, and sulfate are present at concentrations near or exceeding their likely discharge limits as defined by the Los Angeles Basin Plan⁵. Extracted groundwater will likely require treatment for some of these parameters prior to discharge. It is our understanding that groundwater extracted during construction dewatering activities for the Metro Rail tunnel to the south of the Site required treatment for some of these parameters.

PHCs and volatile fuel constituents are present in shallow groundwater in the eastern portions of Parcels A and B. These areas are in the downgradient direction (with respect to shallow groundwater flow) from the former USTs and clarifiers. Upgradient groundwater samples did not have detected concentrations of PHCs or volatile fuel constituents, indicating that there is not a potential upgradient contribution of these chemicals. The furthest downgradient extent of impacted groundwater was previously defined by Law to extend off-Site to the southeast near the former Terminal Annex Building.

⁴ Law/Crandall was the environmental consultant retained by the USPS to remediate the former leaking USTs.

⁵ The Basin Plan is prepared by the Regional Water Quality Control Board, Los Angeles Region (LARWQCB), and defines water discharge limits for various chemical parameters.

Shallow groundwater beneath the Site may require special handling and offsite disposal or treatment and discharge, if extracted as part of dewatering activities during construction. If discharge to a storm sewer is contemplated, a discharge permit will be required from the LARWQCB. This is a common requirement for dewatering in Los Angeles.

2.4 VAPOR BARRIER EVALUATION

At the request of The Endowment, Geomatrix performed additional soil gas sampling activities and a human health risk assessment in March 2004 to evaluate the need for a vapor barrier beneath foundations on Parcel A of the Site. Results of these soil gas sampling activities indicate that volatile fuel constituents ethylbenzene, isopropylbenzene, n-propylbenzene, toluene, xylenes, and methane are present along the eastern portion of Parcel A. The conclusions of the vapor barrier evaluation were:

- Methane was detected at concentrations that place the site at Level IV of the City of Los Angeles Department of Building and Safety Methane Standard, indicating that a methane gas collection and venting system is required for the proposed site development. Such a system, if designed properly, would also mitigate the low risks associated with the VOCs detected in soil gas at Parcel A.
- Although ethylbenzene and xylenes were detected above their ESLs, the results of the risk assessment indicate that levels of risk for noncarcinogenic and carcinogenic health effects are either below or within the range of acceptable levels. This suggests that a vapor barrier is not necessary to mitigate risks from potential vapor migration of volatile fuel constituents at the site. However, the methane gas collection and venting system discussed above would reduce potential exposure and risk related to these chemicals.
- These data, along with previously collected soil and groundwater data, suggest the source of methane is not a naturally occurring, but instead the degradation of fuel constituents in soil and groundwater in the eastern portion of Parcel A from the former USTs on, and east of, Parcel B.

The Endowment subsequently has retained Methane Specialists of Camarillo, California to design a methane mitigation system.

2.5 SUMMARY OF ENVIRONMENTAL CONDITIONS

In summary, subsurface investigation activities at the Site indicate soil, primarily below a depth of 15 feet, and groundwater is affected with PHCs and VOCs. Most of the detected concentrations of these constituents have been lower than those detected in the eastern portion of the Site. The presence of these constituents in some Site soil and groundwater may require

special characterization and material management. In addition, methane was detected in the eastern portion of Parcel A at levels that require mitigation for site development.

3.0 ACTIVITIES AND SCENARIOS COVERED BY SGMP

This SGMP provides guidelines to be followed during future earthwork activities at the Site. These guidelines will be followed by parties involved in activities where disturbance of Site soils and/or groundwater will occur, including the current property Owner, its designated Engineer and Contractors, and utility contractors accessing public utilities (e.g., electrical, sewer). Activities that may disturb Site soils and/or groundwater include but are not limited to excavation, demolition, construction grading, landscaping, geotechnical studies, and utility repair. Specific activities and scenarios covered by this plan include currently planned Site redevelopment activities (Section 3.1), future maintenance and construction activities (Section 3.2), and unanticipated subsurface conditions (Section 3.3).

3.1 PLANNED REDEVELOPMENT ACTIVITIES

Planned redevelopment activities that likely will result in disturbance of Site soils and/or groundwater include:

- construction of the commercial buildings;
- construction of the subsurface parking garage;
- construction of surface parking areas;
- installation of elevators;
- utility trenching;
- installation of a methane mitigation system;
- construction of fencing; and
- landscaping.

PHC- and VOC-affected soil is expected to be encountered during construction activities on approximately the eastern third of Parcel A below an approximate depth of 15 feet below grade. Affected soil that may require special handling was not identified in the upper 15 feet of soil on the majority of Parcel A. If soils are suspected of being affected by PHCs or VOCs, they should be managed as outlined in Section 4.0 of this SGMP.

The depth to groundwater at the Site is approximately 20 to 23 feet below grade. Groundwater beneath Parcel A is affected with PHCs and VOCs, particularly beneath the eastern half of Parcel A. It also contains elevated concentrations of sulfate that make it inappropriate for disposal to the storm drain. If groundwater is generated during construction dewatering activities, it should be managed as outlined in Section 5.0 of this SGMP.

3.2 FUTURE MAINTENANCE AND CONSTRUCTION

Future maintenance and construction activities beyond the planned redevelopment, could encounter affected soil at the Site. These activities may include, but not be limited to:

- subsurface utility installation, repair or rehabilitation; and
- construction of new structures.

The guidelines presented in this SGMP will be followed during these activities.

Activities that disturb shallow soils are not expected to encounter affected soils. These activities include:

- sprinkler system maintenance; and
- landscaping maintenance.

3.3 UNANTICIPATED SUBSURFACE CONDITIONS

Based on Geomatrix's review of historical operations at the Site, it is possible that historical subsurface features and structures (such as underground vaults or piping) may remain at the Site. If present, these structures or features may be encountered during construction activities. In addition, chemicals other than VOCs and PHCs may be present in soil. Unanticipated subsurface conditions may include, but not be limited to, the following:

- underground storage tanks;
- concrete vaults;
- underground piping; and
- chemical impact that could cause stained soil or odors.

Whenever unanticipated conditions are encountered, work will stop in that area, the work area will be secured and the situation evaluated before any further action is taken. Further action may include removal or in place abandonment of subsurface structures, or characterization and

appropriate handling of soil potentially affected by chemicals. Further action may require consultation with appropriate regulatory agencies.

The following provides some general guidelines for addressing below-grade structures.

- The construction contractor will notify the Site owners or their designated environmental representatives if a below-grade structure is discovered. If the structure is a former PHC-containing UST, the Site owners will notify the City of Los Angeles Fire Department. A work plan may be required prior to tank removal, investigation, and closure.
- Residual liquid or sludge, if present in the encountered below-grade structure or pipeline, will be removed, placed in sealed storage containers, characterized as required by laws and regulations and by the permitted disposal facility, and appropriately disposed.
- The below-grade structure will be removed or closed in place as required by law. Contaminated soil surrounding the below-grade structure will be addressed under appropriate regulatory oversight.

4.0 SOIL MANAGEMENT ACTIVITIES

This section outlines notifications and soil management measures.

4.1 NOTIFICATIONS

This SGMP addresses notifications to Site workers prior to commencing activities that disturb soil or generate groundwater. Notification to Site work workers should be provided in accordance with the recommendations for Proposition 65 Notification, described in Section 4.1.1.

4.1.1 Proposition 65 Notification

Chemicals (PCE and ethylbenzene) identified under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) known to cause cancer and reproductive toxicity have been identified in soil and groundwater at the Site. Proposition 65 warnings are required if the estimated exposure to a person exceeds State of California Office of Environmental Health Hazard Assessment (OEHHA) "safe harbor level" (SHL). SHLs are called no significant risk levels (NSRLs) for carcinogens, and maximum allowable dose levels (MADLs) for chemicals with reproductive end points. Based on exposure assumptions that are typically used for risk assessments and accepted by regulatory agencies, it is possible that

exposures to construction workers could exceed the SHLs. Therefore, we recommend that Contractors independently evaluate the need for Proposition 65 notification to their workers.

The evaluation of Proposition 65 exposures may not be limited to VOC-affected soil and/or groundwater. It also is recommended that Contractors provide their own evaluation of the need for Proposition 65 notification associated with other activities under their control. Such activities may involve exposure issues beyond the presence of VOCs in soil and groundwater, for example, equipment diesel exhaust or background levels of other inorganic constituents in soil.

4.2 SITE MANAGEMENT MEASURES

The purpose of the Site management measures is to provide guidelines to be followed during future earthwork activities at the Site. These Site management measures are to be used by parties involved in activities where disturbance of affected soil may occur, including the current property Owner, its designated Engineer and Contractors, and utility contractors accessing public utilities (e.g., electrical, sewer). Activities that may disturb affected soil include but are not limited to:

- excavation;
- demolition;
- new construction;
- construction grading;
- geotechnical studies; and
- utility repair.

Parties engaged in soil handling during future earthwork activities shall be provided a copy of this SGMP.

4.2.1 Regulatory Requirements

Earthwork activities may be subject to federal, state, and local laws and regulations, including those promulgated by U.S. EPA, California Environmental Protection Agency (Cal-EPA), and the South Coast Air Quality Management District (SCAQMD). These laws address issues such as dust generation, VOC emissions, hazardous waste, storm water, and community right-to-know. While some of these issues are discussed in this SGMP, it is the responsibility of the

Owner to ensure that all earthwork activities comply with current applicable laws and regulations.

4.2.2 Access Control

Vehicle and personnel access to areas where potentially affected soil is encountered shall be controlled. Caution tape, cones, fencing, steel plates, or other measures shall be used to clearly designate the active area and to prevent access by the public. Stockpiles of potentially affected and affected soil shall be secured by temporary fences or other means to prevent unauthorized access.

4.2.3 Soil Handling Guidelines

Soil generated during activities at the Site may contain concentrations of PHCs and VOCs. These guidelines identify appropriate steps to take to manage soil handling activities:

1. **Identifying affected soil.** Based on our previous site assessment activities, affected soil is anticipated on the eastern approximate third of Parcels A and B below an approximate depth of 15 feet below grade. Based on the historical industrial site use, however, potentially affected soil may be encountered at other locations and depths on the site. Whenever potentially affected soil is encountered, The Engineer will be contacted and soil will be handled as described in this document.
2. **Handling of potentially affected soil during excavation.** During excavation, potentially affected soil shall be placed on plastic sheeting with a minimum thickness of 10 mils or similar material in a designated stockpile area. Access to stockpile areas should be controlled in a manner to prevent unauthorized persons accessing exposed soil. For small amounts of soil, excavated soil could be placed directly into 55-gallon drums. For larger amounts of soil, excavated soil could be placed directly into roll-off bins that could be secured to prevent unauthorized persons from accessing the soil. Potentially affected soil will be analyzed for, at a minimum, PHCs and VOCs.
3. **Securing soil piles.** At the end of each workday, stockpiled soil shall be secured with a cover consisting of a minimum of 10 mil plastic sheeting to prevent erosion or run-off. Stockpiles of potentially affected soil must be secured by temporary fences or other means to prevent unauthorized access. Covered drums or secured roll-off bins would provide substantially similar control.
4. **Fill Material.** Soil brought to the Site as fill material shall be characterized to assess whether chemicals may be present in the soil at concentrations exceeding criteria for residential use. Characterization may be based on knowledge of the source (e.g., material directly from a quarry) or sample analysis results. Analysis should be based on knowledge of the soil source and may include but is not limited to metals, PHCs, VOCs, PCBs, PNAs, pesticides, and herbicides. The Engineer

should be consulted to define criteria appropriate for residential use at the time of the activity.

4.2.4 Management of Open Excavations

For excavations that must be left open after the end of a work day, dust control measures will be implemented to prevent dust generation while the excavation is unattended as described in Section 4.2.8. In addition, public access to the excavation will be controlled by implementation of access controls as described in Section 4.2.2.

4.2.5 Equipment Decontamination

All equipment contacting affected soil should be decontaminated using water (e.g., pressure washing). If vehicles are exposed to affected soil, decontamination procedures will include removing loose soil from the vehicle exterior with brooms or brushes. Soil not removed by brushing should be removed by washing with soap and water or steam-cleaning.

Water from the cleaning processes shall be collected and containerized, and sampled prior to proper disposal. Small equipment can be cleaned directly in a container that will be used for storing the water before disposal (e.g., bucket or drum). For larger equipment or vehicles that must be washed, a temporary decontamination area should be set up for collecting and containerizing wash water. Access to the decontamination area should be restricted. Other methods for handling decontamination water (e.g., disposal to sewer or storm drain, on-Site use for dust control in affected soil areas) may be used if approved by the appropriate agency.

4.2.6 Quality Assurance/Quality Control for Samples

It is not anticipated that future Site activities will require collection of soil or water samples, except in cases when it is necessary to characterize waste (e.g., soil, decontamination water) prior to offsite disposal. This section provides information about sample collection and handling, laboratory analyses, and record retention.

- **Sample Frequency.** Stockpile and decontamination water samples will be collected at the frequency required by the off-Site disposal facility. In some cases, if approved by the disposal facility, a composite sample can be analyzed (e.g., collection of 4 samples per 100 cubic yards of soil which are combined by the laboratory into one sample for analysis).
- **Sample Collection.** Soil samples for VOC and PHC analysis will be collected in brass or stainless steel tubes. Water samples will be collected in laboratory-supplied containers. Samples will be sealed, uniquely labeled, and shipped under chain of custody to an analytical laboratory accredited by the State of California,

Department of Health Services under their Environmental Laboratory Accreditation Program (ELAP).

- **Sample Analysis.** At a minimum, samples will be analyzed for VOCs and PHCs using EPA Methods 8260 and 8015, respectively. Depending on the off-Site disposal facility requirements and the results of these analyses, other analyses may be necessary.
- **Quality Assurance/Quality Control Samples.** Only standard laboratory quality assurance/quality control analyses will be run. These include method blanks, laboratory control samples, and at least one matrix spike/spike duplicate sample using a sample from the Site per analytical batch.

4.2.8 Dust Control and Monitoring

4.2.8.1 Dust Control

Dust may be generated by Site construction activities. When earthwork activities occur, dust control measures shall be implemented to minimize dust generation. Recommended general dust control measures include:

- sprinkle water to maintain soil moisture at least twice daily;
- cover all trucks hauling soil, sand or other loose materials or require all trucks to maintain at least two feet of freeboard;⁶
- pave, apply water three times daily, or apply soil stabilizers (non-toxic) on all unpaved roadways, parking areas or staging areas;
- sweep daily all paved access roads, parking areas and staging areas;⁷
- sweep streets daily if visible soil material is carried onto adjacent public streets;
- restrict non-essential traffic to compacted roadways and capped portions of the Site;
- limit vehicle speeds to 5 miles per hour on unpaved portions of the Site;
- minimize drop heights while loading transportation vehicles; and
- cover exposed affected soil or stockpiles and secure with fencing or other means.

⁶ Trucks hauling soil off Site must secure the load in accordance with California and United States Departments of Transportation regulations.

⁷ Affected soil will not be carried outside of the work area because equipment will be decontaminated following the procedures described in Section 4.2.5 of the Soil Management Plan.

Additional control measures developed by the SCAQMD may be applicable, specifically Rule 1166.

4.2.8.2 Air Sampling and Monitoring

VOCs. Known concentrations of VOCs in soil and groundwater at the Site indicate that respiratory protection for VOCs is not likely to be necessary. As a precaution, contractors engaged in work activities at the Site should conduct air monitoring unless previous sampling has shown that VOCs are not likely to be present in the area where the work will be performed. Contractors shall use a photo-ionizing detector (PID) to monitor for VOCs. The following action levels apply to sustained PID readings in the worker's breathing zone:

- Less than 5 parts per million (ppm): no respiratory protection necessary.
- Five to 50 ppm: use half-face air-purifying respirator with organic vapor cartridges.
- Greater than 50 ppm: stop work, cover excavation, and notify Owner or Engineer.

The action level for donning a half-face respirator (5 ppm) is conservatively based on the lowest Permissible Exposure Limit (PEL) for VOCs found at the Site (25 ppm for PCE and trimethylbenzenes); a five-fold factor of safety was used to establish the action level. The action level to stop work (50 ppm) is based on the assigned protection factor of 10 for half-face respirators.

4.2.9 Storm Water Management

Storm water pollution controls are required to minimize runoff of sediment in storm water, which could include affected sediment. A National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity (99-08-DWQ) is required for all construction sites equal to or greater than one acre in area.

For discharges to obtain coverage under the General Permit, the discharger or duly authorized representative must submit a Notice of Intent (NOI) to the State Water Resources Control Board (SWRCB). Upon completion of the construction project, a Notice of Termination (NOT) must be submitted to terminate permit coverage.

More information regarding these requirements and associated permit fees is available from the SWRCB (<http://www.swrcb.ca.gov/stormwtr/construction.html>).

The General Permit requires the completion of a storm water pollution prevention plan (SWPPP). The SWPPP typically is prepared by the Contractor to address requirements for erosion/sediment control and storm water runoff management through the implementation of structural and non-structural best management practices (BMPs). Storm water BMPs selected for the project and identified in the SWPPP should be consistent with those described in the “California Storm Water BMP Handbook – Construction” (CASQA, 2003). BMPs for a project will typically be selected based on the type of construction activities performed and the location and drainage of the site.

5.0 CONSTRUCTION DE-WATERING

Unless previous groundwater sampling has demonstrated that groundwater within a de-watering area does not contain PHCs or VOCs, the following procedures should be followed. Construction de-watering water should be pumped into holding tanks and the water in the tanks should be sampled and analyzed for PHCs and VOCs and tested in conformance with parameters required for the selected discharge point (i.e., sanitary sewer). If PHCs or VOCs are detected, the concentrations should be compared to limits established for the publicly-owned treatment works (POTW) where the water ultimately will be discharged. If reported concentrations are below the limits established for the discharge point, the water can be discharged provided that other applicable requirements are met (e.g., turbidity). If reported concentrations exceed the limits established for the discharge point, the water should be treated to remove PHCs and VOCs and the treated water should be sampled and analyzed to confirm the success of treatment before it is discharged. Stored water containing PHCs or VOCs may be subject to permitting and storage requirements established by SCAQMD. Should long-term dewatering be necessary, the contractor shall confirm with the POTW the requirements for additional sampling of water generated during excavation once the baseline water quality has been established, or whether direct discharge of this water can be conducted.

6.0 MANAGEMENT OF SGMP

This section discusses responsibilities for managing this SGMP and the circumstances under which this SGMP may be modified.

6.1 RESPONSIBILITIES

Owner shall oversee implementation of this SGMP at the Site. Owner’s employees shall be made aware of the requirements of the SGMP. In addition the Owner shall include a copy of the SGMP in all contracts signed with Contractors, and shall provide a copy of the SGMP to

third party contractors working at the Site, such as utility contractors, who may disturb soil during execution of their work at the Site.

6.2 MODIFICATIONS OF SGMP

This SGMP was developed based on Geomatrix's understanding of current conditions at the property and applicable regulations. It may be necessary to modify this SGMP from time to time for any of several reasons, including:

- change in property use (e.g., from commercial to residential);
- change in understanding of environmental conditions (e.g., newly identified chemicals);
- intrusive activity that is not addressed by this SGMP;
- new chemical toxicity information for constituents found at the Site; or
- new legal requirements.

7.0 SCOPE, REPRESENTATIONS, AND LIMITATIONS

This SGMP was developed exclusively to address PHCs and VOCs in soil and groundwater at the Site. This SGMP does not address issues related to other chemicals or media that may be encountered during construction projects, including but not limited to, demolition and construction debris, asphalt, concrete, asbestos-containing materials, and lead-based paint. If such materials are encountered during a construction project, Contractors and workers are responsible for complying with all applicable laws pertaining to the handling and disposal of these materials.

In preparing this SGMP, Geomatrix has relied upon certain information and representations provided by government and Site employees and documents prepared by others. To the extent that recommendations are based in whole or in part on such information, those conclusions are contingent on its accuracy and validity. Geomatrix assumes no responsibility for any consequences arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to Geomatrix.

This SGMP is based on current known Site conditions and current laws, policies and regulations. No representation is made to any present or future developer or property Owner of the Site or portions of the Site with respect to future Site conditions, other than those specifically identified within this report.

Geomatrix disclaims any responsibility for any unintended or unauthorized use of this SGMP. Geomatrix has not made any commitment to, or assumed any obligation or liability to any present or future developer, property Owner, tenant, consultant, agent, Contractor, user or other party owning or visiting the Site or portion of the Site based upon or arising out of implementation this SGMP. It is expressly understood that while this SGMP is intended to provide guidance and establish a framework for the management of residual chemicals in soil and groundwater to protect human health and the environment, this SGMP shall not create any warranties or obligations to Geomatrix as to implementation, adequacy, or success of protective measures under this SGMP.

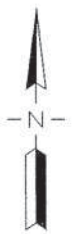
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FIGURES



**PRIVILEGED & CONFIDENTIAL
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BASEMAP MODIFIED FROM U.S.G.S. 7.5 MINUTE QUADRANGLE MAP
LOS ANGELES 1966, CALIFORNIA. PHOTO-REVISED 1981
HOLLYWOOD 1966, CALIFORNIA. PHOTO-REVISED 1981.

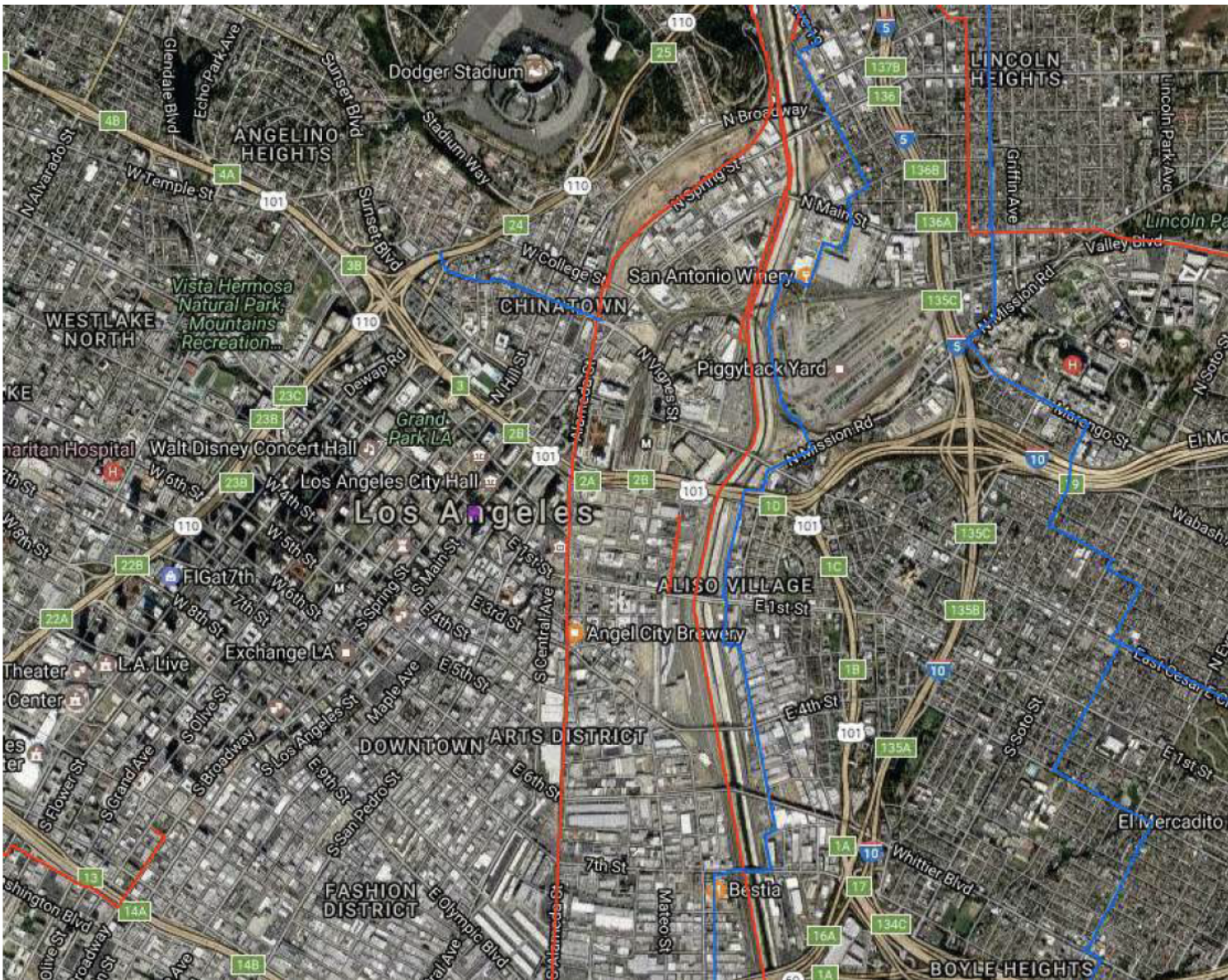
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SITE LOCATION MAP
THE CALIFORNIA ENDOWMENT TERMINAL ANNEX PROPERTY
760 NORTH MAIN STREET
Los Angeles, California

Figure By TDJ	Project No. 7188.001
Date 5/19/04	Figure 1

**PIPELINE AND HAZARDOUS MATERIALS SAFETY
ADMINISTRATION (PHMSA), NATIONAL PIPELINE
MAPPING SYSTEM**



Legend

-  Accidents (Liquid)
-  Incidents (Gas)
-  LNG Plants
-  Breakout Tanks
-  Gas Transmission Pipelines
-  Hazardous Liquid Pipelines



Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npmis@dot.gov.

Projection: Geographic

Datum: NAD83

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Date Printed: Apr 10, 2017



Appendix G

Noise and Vibration Technical Report

**LOS ANGELES UNION STATION
FORECOURT AND ESPLANADE IMPROVEMENTS PROJECT
NOISE AND VIBRATION TECHNICAL REPORT**

PREPARED FOR:

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ONE GATEWAY PLAZA

LOS ANGELES, 90012

PREPARED BY:

ENTECH CONSULTING GROUP

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TEMECULA, CA 92590

AUGUST 2, 2017

Executive Summary

The purpose and scope of the Noise and Vibration Technical Report is to provide the Los Angeles County Metropolitan Transportation Authority (Metro) with an noise and vibration analysis for the Los Angeles Union Station Forecourt and Esplanade Improvements Project (proposed project) pursuant to the the California Environmental Quality Act (CEQA). The proposed project is not capacity increasing and does not increase the number of through lanes on local roadways. The proposed improvements are focused on accomodating cyclists and pedestrians making connections to Los Angeles Union Station (LAUS), and transitioning through the surrounding City streets and sidewalks. These improvements include an open forecourt area in front of LAUS.

At a minimum, the Alameda Street and First Street improvements will receive federal funding and therefore will be subject to environmental review pursuant to the National Environmental Policy Act (NEPA). The project does not trigger the necessary analysis for evaluating the project as a Type 1 project for noise abatement from operational activities, however project noise levels will be compared to the Caltrans Noise Abatement Criteria for public disclosure purposes. Further, FTA noise and vibration analysis requirements are not applicable as the proposed project will not create new transit sources such as rail or fixed facilities (rail yards, passenger stations, parking facilities or substations). Construction noise and vibration impacts will be assessed utilizing the *Caltrans Transportation and Construction Vibration Guidance Manual*¹. No operational impacts are expected to occur. The improvements from the proposed project will be performed within the City of Los Angeles right of way, therefore the construction noise analysis centers around demonstrating complying with the City of Los Angeles Noise Ordinances, General Plan Noise Element and other applicable city polices for protecting sensitive land use categories in the project area.

Construction activites required to construct the proposed project include demolition of the existing short-term parking lot near the Mosaic Apartments, site preparation, grading and paving activities. No pile driving activities are anticipated. A worst-case construction scenario was developed based on the noisiest activity that would be occurring in any given hour of construction for each phase. These noise levels would be experienced at the closest sensitive receptors near the Mosaic Apartments. Further, vibration groundborne vibration resulting from the use of heavy equipment during demolition, grading and paving will not result in causing building damage or perceptible human response (annoyance). Further, impacts at the site of the closest sensitive receptor are unlikely to be sustained during the entire construction period, but will occur rather only during the times that heavy construction equipment is operating near the Project site perimeter. Moreover, construction at the Project site will be restricted to daytime hours consistent with City requirements thereby eliminating potential vibration impact during the sensitive nighttime hours. On this basis, the potential for the proposed project to result in exposure of persons to, or generation of, excessive ground-borne vibration is determined to be less than significant. Predicted noise impacts indicated that Project design features and Best Management Practices (BMPs) consistent with the requirements of the City of Los Angeles Municipal Code² including the use of temporary noise mufflers, barriers and blankets would reduce noise levels for construction equipment by up to 15 dBA³

¹ Caltrans Transportation and Construction Vibration Guidance Manual. 2013

²City of Los Angeles Municipal Code. Available at: http://www.amlegal.com/codes/client/los-angeles_ca/

³ U.S. Environmental Protection Agency. 1971. Noise from Construction Equipment and Operation, Building Equipment and Home Appliances. PB 206717. Washington, DC.

and would be implemented to reduce the temporary increase in noise levels from construction of the proposed project to less than significant levels.

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1.0 GOAL

The Noise and Vibration Technical Report (Report) was undertaken to analyze the noise impacts associated with the construction and operation of the forecourt and esplanade at Los Angeles Union Station (LAUS) Passenger Terminal. These improvements are referred to as Stage 1 Perimeter Improvements which will soften the edges of the station, create better connections to the Civic Center and historic and cultural communities surrounding the station, and welcome transit riders and visitors to the public transportation hub of southern California. These near-term Stage 1 Perimeter Improvements include a series of streetscape, open space, and transit stop improvements to improve the pedestrian and cyclist experience, strengthening connections to and from the station's entrances and create a more welcoming environment to transit riders and visitors. The improvements along Alameda Street are a direct link to the El Pueblo Historic Monument and occur largely within the City of Los Angeles public right of way. These improvements have a direct impact on the use and improvement of Father Serra Park.

Although the project is not defined as a Type I project, is not capacity increasing and does not increase the number of through lanes, the project will receive federal funds requiring approval from the Division of Local Assistance, Office of Active Transportation and Special Programs of Caltrans. Noise impacts from the proposed project will be assessed in accordance with Caltrans Standard Environmental Reference (SER)⁴ and the Federal Transit Administration Noise and Vibration Assessment Manual⁵ for noise studies to meet environmental documentation under the National Environmental Policy Act (NEPA). Further, Los Angeles Metro is the California Environmental Quality Act (CEQA) Lead Agency and the noise analysis will respond to the Appendix G CEQA checklist questions. The Project Development Team (PDT) at Caltrans will determine the significance of noise impacts under CEQA based on comparisons of design-year with project conditions to the existing conditions baseline. No single numerical threshold is used on all projects however; it is typically noted that a 3-dBA difference is generally the point at which the human ear will perceive a difference in noise level.

1.1. PURPOSE

The purpose of this report is to characterize the existing ambient noise conditions and the potential for direct, indirect and cumulative impacts on these conditions because of construction, operation and maintenance of the proposed project and to avoid, reduce or compensate for such impacts to the maximum extent practicable and feasible.

1.2. METHODS

For NEPA purposes this analysis follows the decision tree under the Caltrans SER guidelines³ for Federal-aid projects and the FTA Noise and Vibration guidance.⁴ Per the decision tree for assessing preliminary noise abatement analysis, the project is not defined as a type 1 project. However, federal funding requires Caltrans oversight. Therefore, noise level will be compared to the Federal Highway Administration Noise

⁴ Caltrans Environmental Reference (SER), Caltrans, September 2016

⁵ Transit Noise and Vibration Impact Assessment Manual, Office of Planning and Environment. Federal Transit Administration. May, 2006

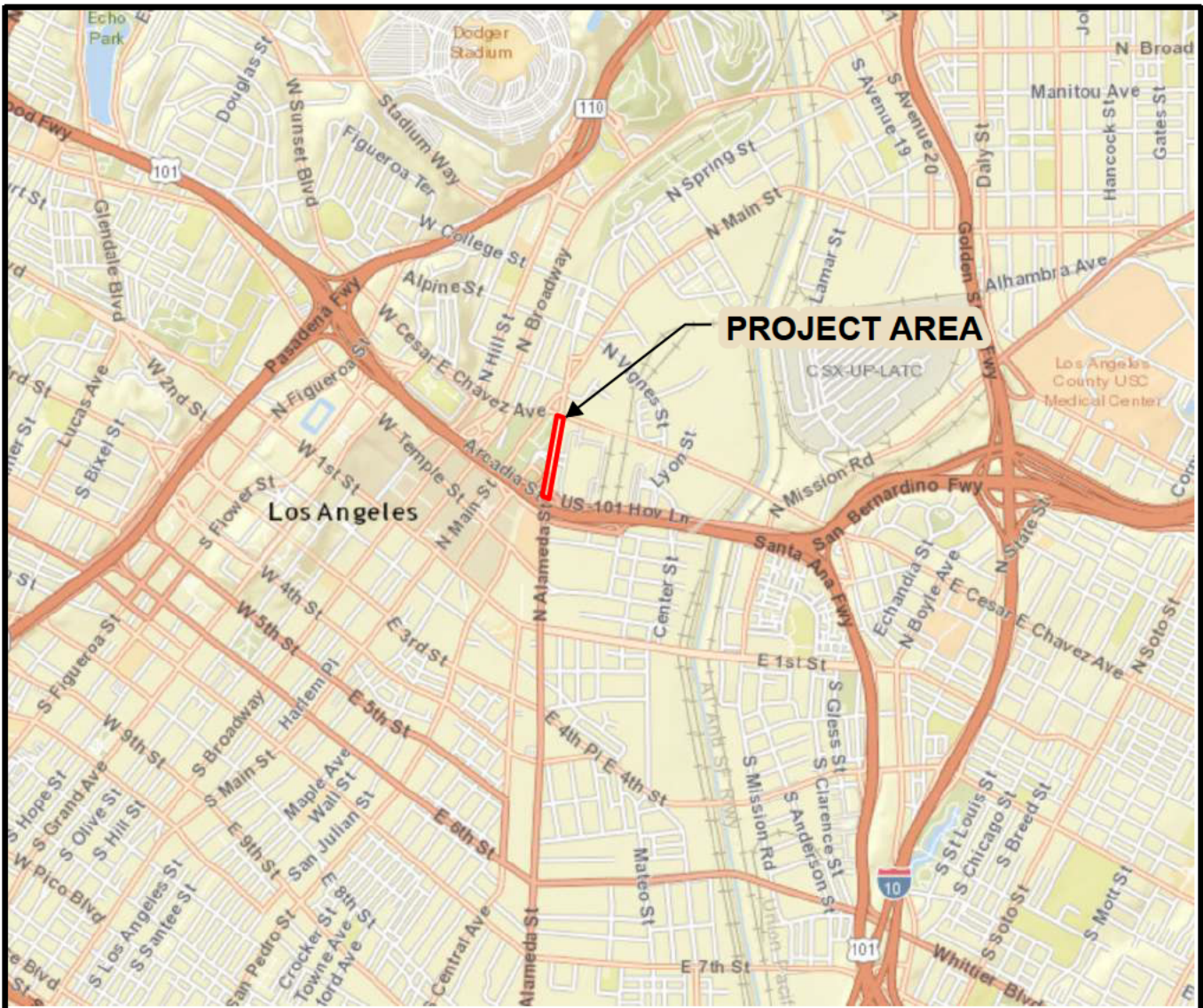
Abatement Criteria to assess noise impacts. Further, construction noise and vibration impacts will be evaluated.

For CEQA, purposes, the noise analysis centers around whether an increase in the future noise level would result in a significant effect. A comparison is made between existing noise levels to the predicted noise level with the project. The CEQA analysis is independent of the NEPA noise analysis which focuses on abatement. Under CEQA, the assessment entails looking at the existing setting of the noise impact and then determining how large or perceptible any noise increase would be in the given area. Key factors that are considered include: the uniqueness of the setting, the sensitive nature of the noise receptors, the magnitude of the noise increase, the number of residences affected and the absolute noise level. As the project is located with the City of Los Angeles street right-of-way, the CEQA analysis will also take into consideration the applicability of complying with the City of Los Angeles Noise Ordinance, General Plan Noise Element and other applicable city policies for protecting sensitive land use categories in the project area as well as complying with CEQA threshold requirements. Pursuant to Appendix G of the CEQA Guidelines, a noise analysis will be performed to determine whether the proposed project will result in:

- Expose persons to or generate noise levels in excess of standards established in the local General Plan or noise ordinance, or applicable standards of other agencies;
- Expose persons to or generate excessive groundborne vibration or groundborne noise levels;
- Cause a substantial permanent increase in ambient noise levels in the project vicinity above existing levels without the proposed project;
- Cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above noise levels existing without the proposed project;
- Expose persons residing or working in the project area to excessive noise levels from aircraft.

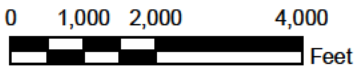
1.3. SCOPE

The scope of the investigation covers all the topics required by CEQA in Appendix G for noise and for Caltrans approval. The project site is in the downtown Los Angeles area, as shown in Figure 1. The description of the project improvements for the proposed project indicate that they are not capacity increasing and the number of through lanes on local roadways do not increase. The shifts in local roadway alignments reduce through lanes and moves local traffic away from sensitive receivers. Operational impacts from the forecourt and esplanade project will not result in increasing noise from vehicular or bus traffic near sensitive receivers. It is anticipated that absolute noise levels between existing and with project conditions are negligible and not audible to the human ear. The analysis will focus more on assessing construction impacts that are adjacent to sensitive receivers such as the Mosaic Apartments, which are located adjacent to Union Station north of the short-term parking area of approximately 60 spaces, the First LA 5 site, located south of Union Station and the surrounding parks and monuments.



PROJECT AREA

Los Angeles



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VICINITY MAP

PRELIMINARY ENVIRONMENTAL STUDY (PES)
 L.A. UNION STATION
 LOS ANGELES, CALIFORNIA

FIGURE
1

2.0 Project Description

The proposed project will focus on perimeter improvements to enhance connectivity to LAUS by creating a more welcoming experience for transit riders and visitors. There are four primary proposed improvements:

- removing the short-term parking on the northwest corner (approximately 60 spaces) of the LAUS property to create a new civic plaza with an outdoor seating area;
- creating a new esplanade along Alameda Street (between Cesar E. Chavez Avenue and Arcadia) by narrowing the roadway and reallocating roadway area for the expanded pedestrian and bicyclist multi-use esplanade; the pedestrian and bicycle improvements will consist of on the east side of Alameda Street a mixed used path with shade trees and adding a new curbside vehicular drop-off zone at select locations; on the west side of Alameda Street, the sidewalks will be widened, eliminating one vehicle lane of southbound traffic; and
- reconfiguring the entrance from Union Station to the El Pueblo Historical Monument by creating a consolidated crosswalk that would provide additional pedestrian connectivity through the partial closure of Los Angeles Street; and
- repurposing the northernmost travel lane on Arcadia Street between Alameda Street and Spring Street into a tour bus parking area designated for El Pueblo.

In addition to the above-mentioned improvements, the proposed Alameda Esplanade would: change three travel lanes in each direction and a left turn center lane to two lanes of travel with a left turn land/center median and curb side drop-off on the east side of Alameda Street; and expand sidewalks on both sides of the street into the roadway and create a tree-lined multi-use path for both bicyclists and pedestrians on the east side of Alameda Street.

2.1 Purpose and Need

The Alameda Esplanade Improvements are part of a larger set of improvements envisioned by Metro and the City of Los Angeles that will transform an important thoroughfare into a true alameda (Spanish for tree-lined avenue). The primary purpose is to balance all modes and make the street more inviting for people to walk and bike between Union Station and Little Tokyo/Arts District to the south, and Chinatown/Cornfield Arroyo Seco to the north. The esplanade will ultimately connect to the City of Los Angeles proposed streetscape and bike lanes on N. Spring Street. The need for the project is to better serve destination and through traffic at LAUS. According to a 2015 Metro Transforming LAUS summary Report about LAUS, there are approximately 110,000 passenger trips travelling through LAUS each weekday. Metro anticipates continued increases in population and employment will nearly double the demand on existing and planned modes of transportation, resulting in over 200,000 passenger trips through LAUS each weekday by 2040.

2.2 Project Location

The Alameda Esplanade Improvements area are a part of a larger project located adjacent to and within LAUS, at 800 North Alameda Street, City of Los Angeles, CA 90012. As shown in Figure 2, LAUS is generally bounded by Highway 101 to the south, North Main street to the west, Cesar E. Chavez Avenue to the north, and Vignes Street to the east. The project area is centered on Alameda Street from Arcadia Street in the south to Cesar Chaves Street in the north, Spring Street to the west, Los Angeles Street (including Father Serra Park and a portion of El Pueblo) and extends up to 90 meters to the west to include part of N. Los Angeles Street and Father Serra Park and up to 80 meters to the east of Alameda Street towards the entrance of LAUS. There are two nearby adjacent buildings on the south that are not included in the proposed project location: The Metropolitan Water District of Southern California building at 700 North Alameda Street, and the First 5 LA building at 750 North Alameda Street. Adjacent to the project to the west are the Chinese American Museum at 425 North Los Angeles Street, El Pueblo de Los Angeles Historical Monument 125 Paseo Del La Plaza, and the Avila Adobe Museum at 10 Olvera Street.

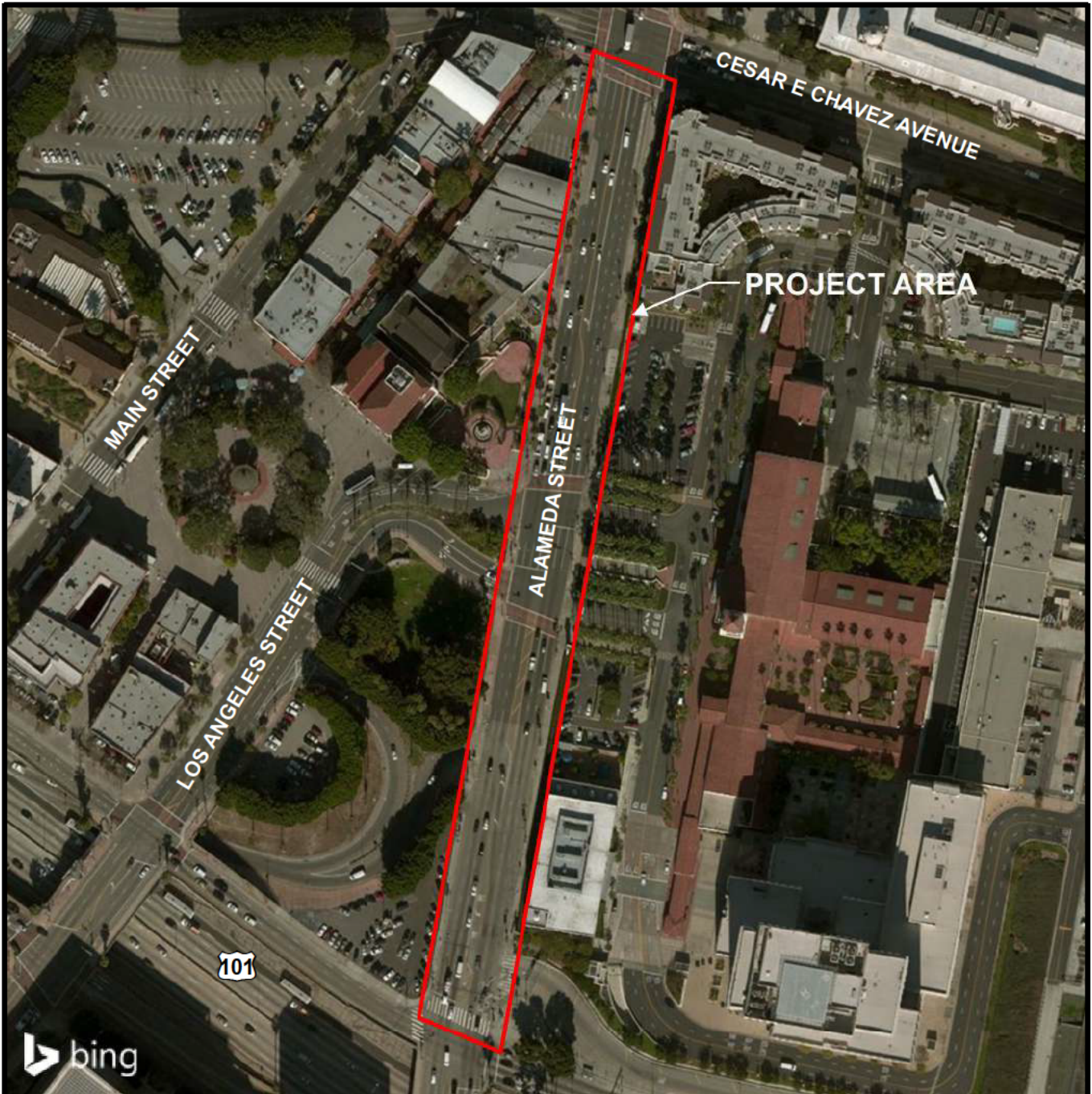
2.3 Project Design Features and Best Management Practices

Implementation of the following project design features, adherence to local noise ordinances articulated in Section 112.05 and Section 41.40 of the City of Los Angeles Municipal Code⁶, and construction Best Management Practices, as specified in Section 2.6, *Construction Scenario and Assumptions* of the Draft Environmental Impact Report would reduce impacts from construction noise on sensitive receptors to the maximum extent feasible.

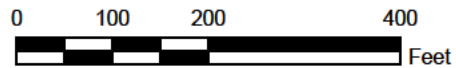
- Construction and demolition shall be restricted to the hours of 7:00 am to 6:00 pm Monday through Friday, and 8:00 am to 6:00 pm on Saturday.
- Demolition and construction activities shall be scheduled to avoid operating several pieces of equipment simultaneously, which causes high noise levels.
- The project contractor shall use power construction equipment with state-of-the-art noise shielding and muffling devices.
- Whenever construction occurs adjacent to occupied residences (on- or offsite), temporary barriers shall be constructed around the construction sites to shield the ground floor of the noise-sensitive uses. These barriers shall be of ¾-inch medium density plywood sheeting, or equivalent, and shall achieve an STC of 30 or greater, based on certified sound transmission loss data taken according to American Society for Testing and Materials Test Method E90 or as approved by the City of Los Angeles Building Department.
- Construction equipment staging areas shall be located as far as feasible from residential areas while still serving the needs of construction contractors.

⁶City of Los Angeles Municipal Code. Available at: http://www.amlegal.com/codes/client/los-angeles_ca/

- Routes for heavy construction site vehicles shall be identified to minimize noise impacts to residences and noise sensitive receptors. Activities that generate high noise levels — such as pile the use of jackhammers, drills, and impact wrenches — shall be restricted to the hours of 7:00 am to 9:00 pm.



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PROJECT LOCATION MAP

PRELIMINARY ENVIRONMENTAL STUDY (PES)
 L.A. UNION STATION
 LOS ANGELES, CALIFORNIA

FIGURE

2

3.0 Fundamentals of Noise

Table 1 presents a glossary of general acoustical terminology used in this analysis.

TABLE 1. DEFINITION OF ACOUSTICAL TERM

Term	Definition
Noise	Whether something is perceived as a noise event is influenced by the type of sound, the perceived importance of the sound, and its appropriateness in the setting, the time of day and the type of activity during which the noise occurs and the sensitivity of the listener.
Sound	For purposes of this analysis, sound is a physical phenomenon generated by vibrations that result in waves that travel through a medium, such as air, and result in auditory perception by the human brain.
Frequency	Sound frequency is measured in Hertz (Hz), which is a measure of how many times each second the crest of a sound pressure wave passes a fixed point. For example, when a drummer beats a drum, the skin of the drum vibrates several times per second. When the drum skin vibrates 100 times per second it generates a sound pressure wave that is oscillating at 100 Hz, and this pressure oscillation is perceived by the ear/brain as a tonal pitch of 100 Hz. Sound frequencies between 20 and 20,000 Hz are within the range of sensitivity of the best human ear.
Amplitude or Level	Is measured in decibels (dB) using a logarithmic scale. A sound level of zero dB is approximately the threshold of human hearing and is barely audible under extremely quiet listening conditions. Normal speech has a sound level of approximately 60 dB. Sound levels above approximately 110 dB begin to be felt inside the human ear as discomfort and eventually pain at 120 dB and higher levels. The minimum change in the sound level of individual events that an average human ear can detect is about one to two dB. A three to five dB change is readily perceived. A change in sound level of about 10 dB is usually perceived by the average person as a doubling (or if decreasing by 10 dB, halving) of the sound's loudness.
Sound pressure	Sound level is usually expressed by reference to a known standard. This report refers to sound pressure level (SPL or Lp). In expressing sound pressure on a logarithmic scale, the sound pressure is compared to a reference value of 20 micropascals (μPa). Lp depends not only on the power

of the source, but also on the distance from the source and on the acoustical characteristics of the space surrounding the source.

A-weighting

Sound from a tuning fork contains a single frequency (a pure tone), but most sounds one hears in the environment do not consist of a single frequency and instead are composed of a broad band of frequencies differing in sound level. The method commonly used to quantify environmental sounds consists of evaluating all frequencies of a sound according to a weighting system that reflects the typical frequency-dependent sensitivity of average healthy human hearing. This is called “A-weighting,” and the decibel level measured is referred to as dBA. In practice, the level of a noise source is conveniently measured using a sound level meter that includes a filter corresponding to the dBA “curve” of decibel adjustment per octave band center frequency (OBCF) from a “flat” or unweighted SPL.

Equivalent sound level

Although sound level value may adequately indicate the level of environmental noise at any instant in time, community noise levels vary continuously. Most environmental noise includes a mixture of noise from distant sources that creates a relatively steady background noise in which no particular source is identifiable. A single descriptor, L_{eq} , may be used to describe sound that is changing in level. L_{eq} is the energy-average dBA during a measured time interval. It is the “equivalent” constant sound level that would have to be produced by a given source to equal the acoustic energy contained in the fluctuating sound level measured.

L_{max} and L_{min}

Additionally, it is often desirable to know the range of amplitudes for the noise source(s) under study. This is typically accomplished by reporting the L_{max} and L_{min} indicators that represent the root mean square (RMS) maximum and minimum noise levels during a given monitoring interval. The L_{min} value obtained for a particular monitoring location is often called the “noise floor.”

Statistical sound values

To describe the time-varying character of environmental noise, the statistical noise descriptors L_{10} , L_{50} , and L_{90} are commonly used. These are the noise levels exceeded during 10, 50, and 90 percent of a stated time interval, respectively. Sound levels associated with L_{10} typically describe transient or short-term events, while levels associated with L_{90} describe the “steady state” (or most prevalent) background noise conditions.

Day-night sound level

Average sound exposure over a 24-hour period is often presented as a day-night average, or time-weighted, sound level (L_{dn}). L_{dn} values are calculated from hourly L_{eq} values, with the L_{eq} values for the nighttime period (10 p.m. to 7 a.m.) increased by 10 dB to reflect the greater disturbance potential from nighttime sounds.

4.0 Regulatory Setting

4.1 Federal Transit Administration

When considering applicability of FTA Noise and Vibration guidance, although the project is being proposed by a transit agency, the improvements are being made to local roadways near LAUS with bicycle and pedestrian access enhancements. No improvements are being made to produce new transit sources such as rail or fixed facilities (rail yards, passenger stations, parking facilities, substations). Further the FTA Noise and Vibration guidance is applicable to transit projects that are a part of a new highway or requires modification to existing highways to increase carrying capacity. The roadway component triggers involvement from Caltrans in assessing noise impact methods with the Federal Highway Administration (FHWA) for abatement evaluation and public disclosure purposes. Further, the proposed project is required to assess noise impacts from construction with Caltrans approval. The FTA Noise and Vibration guidance provides a method for assessing construction impacts for general environmental noise assessments. This approach will be utilized for assessing construction impacts from the proposed project.

California Department of Transportation’s (Caltrans) *Transportation and Construction Vibration Guidance Manual* (2013), does not provide official Caltrans standards for vibration. However, this manual provides guidelines that can be used as screening tools for assessing the potential for adverse vibration effects related to structural damage and human perception. The manual is meant to provide guidance related to vibration issues associated with the construction, operation, and maintenance of Caltrans projects. The vibration criteria established by Caltrans for assessing structural damage and human perception are shown in Tables 2 and 3, respectively.

TABLE 2. CALTRANS VIBRATION DAMAGE POTENTIAL THRESHOLD CRITERIA

Structure and Condition	Maximum PPV (in/sec)	
	Infrequent Sources	Continuous / Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5
Source: Caltrans, 2006.		

TABLE 3. CALTRANS VIBRATION ANNOYANCE POTENTIAL CRITERIA

Structure and Condition	Maximum PPV (in/sec)	
	Infrequent Sources	Continuous / Frequent Intermittent Sources
Barely perceptible	0.035	0.019
Distinctly perceptible	0.24	0.08
Strongly perceptible	0.9	0.10
Severe	2.0	0.4-0.6
Source: Caltrans, 2006.		

4.2 Federal Highway Administration

Caltrans has delegated authority to review federal-aid and highway projects. Projects that alter the vertical or horizontal alignment of a highway, defined as Type I projects are required to undergo an evaluation to determine traffic impacts according Title 23, part 772 of the Code of Federal Regulations. This regulation provides procedures for preparing operational and construction noise studies and evaluation. Although the proposed project is not a Type I project, Caltrans involvement is triggered due to the project receiving federal funds. Traffic noise impacts from the proposed project were assessed utilizing procedures presented in the Caltrans Noise Protocol and the Caltrans Technical Noise Supplement.

Traffic noise impacts, as defined in 23 CFR 772.5, occur when the predicted noise level in the design year approaches or exceeds the Noise Abatement Criteria (NAC) as specified in 23 CFR 772, or a predicted noise level substantially exceeds the existing noise level (a “substantial” noise increase). Noise levels are expressed in terms the A-weighted decibel (dBA) and the one-hour equivalent sound level ($L_{eq(h)}$).

Table 4 summarizes NAC corresponding to various land use activity categories. Activity categories and related traffic noise impacts are determined based on the actual land use in each area.

TABLE 4. ACTIVITY CATEGORIES AND NOISE ABATEMENT CRITERIA

Activity Category	Activity L_{eq} [h] ¹	Evaluation Location	Description of Activities
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B ²	67	Exterior	Residential.
C ²	67	Exterior	Active sport areas, amphitheatres, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings.
D	52	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, schools, and television studios.
E	72	Exterior	Hotels, motels, offices, restaurant/bars, and other developed lands, properties, or activities not included in A-D or F.
F			Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
G			Undeveloped lands that are not permitted.
<p>¹ The L_{eq} (h) activity criteria values are for impact determination only and are not design standards for noise abatement measures. All values are A-weighted decibels (dBA).</p> <p>² Includes undeveloped lands permitted for this activity category.</p>			

4.3 State

4.3.1 Senate Bill 860

In the State of California, State Senate Bill 860, which became effective January 1, 1976, directed the California Office of Noise Control within the State Department of Health Services to prepare the *Guidelines for the Preparation and Content of Noise Elements of the General Plan*.⁷ One purpose of these guidelines was to provide sufficient information concerning the noise environment in the community so that noise could be considered in the land-use planning process. As part of this publication, Land Use Compatibility Standards were developed in four categories: Normally Acceptable, Conditionally Acceptable, Normally Unacceptable, and Clearly Unacceptable. These categories were based on earlier work done by the U.S. Department of Housing and Urban Development.


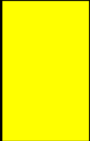

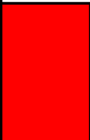
⁷ State of California, General Plan Guidelines, Governor's Office of Planning and Research, October, 2003.

The interpretation of these four categories is as follows:

Normally Acceptable:	Specified land use is satisfactory without special insulation.
Conditionally Acceptable:	New development requires detailed analysis of noise insulation requirements.
Normally Unacceptable:	New development is discouraged and requires a detailed analysis of insulation features.
Clearly Unacceptable:	New development should not be undertaken.

The state has developed a land-use compatibility matrix for community noise environments that further defines four categories of acceptance and assigns CNEL values to them. In addition, the State Building Code (Part 2, Title 24, California Code of Regulations) establishes uniform minimum noise insulation performance standards to protect persons within new hotels, motels, dormitories, long-term care facilities, apartment houses, and residential units other than detached single-family residences from the effects of excessive noise, including, but not limited to, hearing loss or impairment and interference with speech and sleep. Residential structures to be located where the CNEL or L_{dn} is 60 dBA or greater are required to provide sound insulation to limit the interior CNEL to a maximum of 45 dBA. An acoustic, or noise, analysis report prepared by an experienced acoustic engineer is required for the issuance of a building permit for these structures. Conversely, land use changes that result in increased noise levels at residences of 60 dBA or greater must be considered in the evaluation of impacts to ambient noise levels. Table 5, *Land Use Compatibility for Community Noise Environments*, graphically depicts the acceptability of noise levels for a variety of uses.

TABLE 5. LAND USE COMPATIBILITY MATRIX

Land Use Category	Community Noise Exposure (L_{dn} or CNEL, dB)					
	55	60	65	70	75	80
Residential - Low Density Single-Family, Duplex, Mobile Homes	Green	Green	Yellow	Yellow	Orange	Red
Residential - Multi-Family	Green	Green	Yellow	Yellow	Orange	Red
Transient Lodging - Motels Hotels	Green	Green	Yellow	Yellow	Orange	Red
Schools, Libraries, Churches, Hospitals, Nursing Homes	Green	Green	Yellow	Yellow	Orange	Red
Auditoriums, Concert Halls, Amphitheaters	Yellow	Yellow	Yellow	Red	Red	Red
Sports Arena, Outdoor Spectator Sports	Yellow	Yellow	Yellow	Yellow	Red	Red
Playgrounds, Neighborhood Parks	Green	Green	Green	Yellow	Orange	Red
Golf Courses, Riding Stables, Water Recreation, Cemeteries	Green	Green	Green	Green	Orange	Red
Office Buildings, Business Commercial and Professional	Green	Green	Green	Yellow	Yellow	Orange
Industrial, Manufacturing, Utilities, Agriculture	Green	Green	Green	Green	Yellow	Orange
 Normally Acceptable - Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.						
 Conditionally Acceptable - New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply system or air conditioning will normally suffice.						
 Normally Unacceptable - New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.						
 Clearly Unacceptable - New construction or development should generally not be undertaken.						

SOURCE:

Adapted from: Governor’s Office of Planning and Research. 2003. State of California General Plan Guidelines. Appendix C, Noise Element Guidelines, Figure 2. Sacramento, CA.

4.3 Regional

NOISE

4.3.1 Los Angeles County Community Noise Criteria & Noise Ordinance

The County maintains the health and welfare of its residents with respect to noise through nuisance abatement ordinances and land use planning. The County Noise Control Ordinance, Title 12 of the County Code, was adopted by the Los Angeles County Board of Supervisors in 1977 “to control unnecessary, excessive, and annoying noise and vibration.” It declares that the purpose of the County policy is to “maintain quiet in those areas which exhibit low noise levels and to implement programs aimed at reducing noise in those areas within the county where noise levels are above acceptable values.”

On August 14, 2001, the Los Angeles County Board of Supervisors approved an ordinance amending Title 12 of the County Code to prohibit loud, unnecessary, and unusual noise that disturbs the peace and/or quiet of any neighborhood or that causes discomfort or annoyance to any reasonable person of normal sensitivity residing in the area. Regulations can include requirements for sound barriers, mitigation measures to reduce excessive noise, or the placement and orientation of buildings, and can specify the compatibility of different uses with varying noise levels, as shown in Table 6, *Los Angeles County Noise Criteria by Land Use Type*.

The following exterior noise levels shall apply to all receptor properties within a designated noise zone:

Standard No. 1 shall be the exterior noise level which may not be exceeded for a cumulative period of more than 30 minutes in any hour. Standard No. 1 shall be the applicable noise level from subsection A of this section; or, if the ambient L50 exceeds the foregoing level, then the ambient L50 becomes the exterior noise level for Standard No. 1.

Standard No. 2 shall be the exterior noise level which may not be exceeded for a cumulative period of more than 15 minutes in any hour. Standard No. 2 shall be the applicable noise level from subsection A of this section plus 5dB; or, if the ambient L25 exceeds the foregoing level, then the ambient L25 becomes the exterior noise level for Standard No. 2.

Standard No. 3 shall be the exterior noise level which may not be exceeded for a cumulative period of more than five minutes in any hour. Standard No. 3 shall be the applicable noise level from subsection A of this section plus 20dB; or, if the ambient L8.3 exceeds the foregoing level, then the ambient L8.3 becomes exterior noise level for Standard No. 3.

Standard No. 4 shall be the exterior noise level which may not be exceeded for a cumulative period of more than one minute in any hour. Standard No. 4 shall be the applicable noise level from subsection A of this section plus 15dB; or, if the ambient L1.7 exceeds the foregoing level, then the ambient L1.7 becomes the exterior noise level for Standard No. 4.

Standard No. 5 shall be the exterior noise level which may not be exceeded for any period. Standard No. 5 shall be the applicable noise level from subsection A of this section plus 20dB; or, if the ambient L0 exceeds the foregoing level then the ambient L0 becomes the exterior noise level for Standard No. 5.

TABLE 6. COUNTY OF LOS ANGELES NOISE CRITERIA BY LAND USE TYPE

Noise Zone	Land Use of Receptor Property	Time	Std 1 L50 30 min/hr	Std 2 L25 15 min/hr	Std 3 L8.3 5 min/hr	Std 4 L1.7 1 min/hr	Std5 L0 at no time
I	Noise Sensitive	Anytime	45	50	55	60	65
II	Residential	10PM to 7AM	45	50	55	60	65
		7AM to 10PM	50	55	60	65	70
III	Commercial	10PM to 7AM	55	60	65	70	75
		7AM to 10PM	60	65	70	75	80
IV	Industrial	Anytime	70	75	80	85	90

SOURCE: County of Los Angeles. Title 12, Chapter 8, Noise Control.

4.3.2. NOISE GOALS AND POLICIES

Goal N 1: The reduction of excessive noise impacts.

Policy N 1.1: Utilize land uses to buffer noise-sensitive uses from sources of adverse noise impacts.

Policy N 1.2: Reduce exposure to noise impacts by promoting land use compatibility.

Policy N 1.3: Minimize impacts to noise-sensitive land uses by ensuring adequate site design, acoustical construction, and use of barriers, berms, or additional engineering controls through Best Available Technologies (BAT).

Policy N 1.4: Enhance and promote noise abatement programs in an effort to maintain acceptable levels of noise as defined by the Los Angeles County Exterior Noise Standards and other applicable noise standards.

Policy N 1.5: Ensure compliance with the jurisdictions of State Noise Insulation Standards (Title 24, California Code of Regulations and Chapter 35 of the Uniform Building Code), such as noise insulation of new multifamily dwellings constructed within the 60 dB (CNEL or Ldn) noise exposure contours.

Policy N 1.6: Ensure cumulative impacts related to noise do not exceed health-based safety margins.

Policy N 1.7: Utilize traffic management and noise suppression techniques to minimize noise from traffic and transportation systems.

Policy N 1.8: Minimize noise impacts to pedestrians and transit-riders in the design of transportation facilities and mobility networks.

Policy N 1.9: Require construction of suitable noise attenuation barriers on noise sensitive uses that would be exposed to exterior noise levels of 65 dBA CNEL and above, when unavoidable impacts are identified.

Policy N 1.10: Orient residential units away from major noise sources (in conjunction with applicable building codes).

Policy N 1.11: Maximize buffer distances and design and orient sensitive receptor structures (hospitals, residential, etc.) to prevent noise and vibration transfer from commercial/light industrial uses.

Policy N 1.12: Decisions on land adjacent to transportation facilities, such as the airports, freeways and other major highways, must consider both existing and future noise levels of these transportation facilities to assure the compatibility of proposed uses.

In addition to the community noise criteria, the County codes establish interior noise standards for residential dwellings. According to Section 12.08.400 of the County Code, no person shall operate or cause to be operated within a dwelling unit, any source of sound, or allow the creation of any noise, which causes the noise level when measured inside a neighboring receiving dwelling to exceed the following standards:

- Standard No. 1: The applicable interior noise level for cumulative period of more than 5 minutes in any hour; or
- Standard No. 2: The applicable interior noise level plus 5 dB for a cumulative period or more than one minute in any hour; or
- Standard No. 3: The applicable interior noise level plus 10 dB or the maximum measured ambient noise level for any period of time.

Section 12.08.440 of the County codes states that operating or causing the operation of any tools or equipment used in construction, drilling, repair, alteration, or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or at any time on Sundays or holidays, such that the sound therefrom creates a noise disturbance across a residential or commercial real property line, except for emergency work of public service utilities or by variance issued by the health office, is prohibited. If noise disturbance crosses a residential or commercial property line, the County has established maximum noise levels for both mobile and stationary equipment (Table 7, *County of Los Angeles Construction Noise Restrictions*).

TABLE 7. COUNTY OF LOS ANGELES CONSTRUCTION NOISE RESTRICTIONS

Time Frame	Single-Family Residential	Multifamily Residential	Semi-Residential/ Commercial
Mobile equipment*			
Daily, except Sundays and legal holidays, 7:00 a.m. to 8:00 p.m. (daytime)	75 dBA	80 dBA	85 dBA
Daily, 8:00 p.m. to 7:00 a.m. (nighttime) and all day Sunday and legal holidays	60 dBA	64 dBA	70 dBA
Stationary equipment**			
Daily, except Sundays and legal holidays, 7:00 a.m. to 8:00 p.m. (daytime)	60 dBA	65 dBA	70 dBA
Daily, 8:00 p.m. to 7:00 a.m. (nighttime) and all day Sunday and legal holidays	50 dBA	55 dBA	60 dBA

SOURCE: County of Los Angeles. Title 12, Chapter 8, Noise Control

NOTES:

* = Maximum noise levels for nonscheduled, intermittent, short-term operation (less than 10 days) of mobile equipment

** = Maximum noise levels for repetitively scheduled and relatively long-term operation (periods of 10 days or more) of stationary equipment.

VIBRATION

Title 12, Section 12.08.560, of the County code provides criteria for construction-generated ground-borne vibration:

- Operating or permitting the operation of any device that creates vibration which is above the vibration perception threshold of any individual at or beyond the property boundary of the source if on private property, or at 150 feet (46 meters) from the source if on a public space or public right-of-way is prohibited. The perception threshold shall be a motion velocity of 0.01 in/sec over the range of 1 to 100 Hertz.

4.4 City of Los Angeles Regulations

4.4.1 City of Los Angeles General Plan Policy Applicable to Noise and Vibration

The Noise Element of the General Plan contains community noise criteria for community noise environments and states applicable goals and polices that should be met. The relevant applicable clauses are set forth below.

City of Los Angeles Noise Element

The Noise Element of the City of Los Angeles General Plan outlines the goal, objectives, and policies regarding the management of noise within the City. The following policies listed in the Noise Element of the City's General Plan are applicable to the proposed project:⁸

- Policy 2.2: Enforce and/or implement applicable city, state, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.

Policy 3.1: Develop land use policies and programs that will reduce or eliminate potential and existing noise impacts.

4.4.2 City of Los Angeles Municipal Code

The City of Los Angeles Municipal Code has noise ordinances to monitor and regulate noise. The relevant applicable clauses are reproduced below:

4.4.1.1 SECTION 111.02. SOUND LEVEL MEASUREMENT PROCEDURE AND CRITERIA

Where the sound alleged to be offending is of a type or character set forth below, the following values shall be added to the sound level measurement of the offending noise:

1. Except for noise emanating from any electrical transformer or gas metering and pressure control equipment existing and installed prior to the effective date of the ordinance enacting this chapter, any steady tone with audible fundamental frequency or overtones have 200 Hz,+5dB.
2. Repeated impulsive noise, +5dB.
3. Noise occurring more than 5 but less than 15 minutes in any period of 60 consecutive minutes between the hours of 7:00 a.m. and 10:00 p.m. of any day, -5dB.
4. Noise occurring five minutes or less in any period of 60 consecutive minutes, between the hours of 7:00 a.m. and 10:00 p.m. of any day, -5dB.

4.4.1.2 SECTION 112.05. MAXIMUM NOISE LEVEL OF POWERED EQUIPMENT OR POWERED HAND TOOLS.

Between the hours of 7:00 a.m. and 10:00 p.m., in any residential zone of the City or within 500 feet thereof, no person shall operate or cause to be operated any powered equipment or powered hand tool

⁸ Los Angeles City General Plan. February 1999. *Noise Element*. Prepared by: Department of City Planning. Los Angeles, CA.

that produces a maximum noise level exceeding the following noise limits at a distance of 50 feet therefrom:

(a) 75dB(A) for construction, industrial, and agricultural machinery including crawler-tractors, dozers, rotary drills and augers, loaders, power shovels, cranes, derricks, motor graders, paving machines, off-highway trucks, ditchers, trenchers, compactors, scrapers, wagons, pavement breakers, compressors and pneumatic or other powered equipment;

(b) 75dB(A) for powered equipment of 20 HP or less intended for infrequent use in residential areas, including chain saws, log chippers and powered hand tools;

(c) 65dB(A) for powered equipment intended for repetitive use in residential areas, including lawn mowers, backpack blowers, small lawn and garden tools and riding tractors;

The noise limits for particular equipment listed above in (a), (b) and (c) shall be deemed to be superseded and replaced by noise limits for such equipment from and after their establishment by final regulations adopted by the Federal Environmental Protection Agency and published in the Federal Register.

Said noise limitations shall not apply where compliance therewith is technically infeasible. The burden of proving that compliance is technically infeasible shall be upon the person or persons charged with a violation of this section. Technical infeasibility shall mean that said noise limitations cannot be complied with despite the use of mufflers, shields, sound barriers and/or other noise reduction device or techniques during the operation of the equipment.

4.4.1.3 CITY OF LOS ANGELES MUNICIPAL CODE – CHAPTER IV - SECTION 41.40 NOISE DUE TO CONSTRUCTION, EXCAVATION WORK – WHEN PROHIBITED

(a) No person shall, between the hours of 9:00 P.M. and 7:00 A.M. of the following day, perform any construction or repair work of any kind upon, or any excavating for, any building or structure, where any of the foregoing entails the use of any power-driven drill, riveting machine excavator or any other machine, tool, device or equipment which makes loud noises to the disturbance of persons occupying sleeping quarters in any dwelling hotel or apartment or other place of residence. In addition, the operation, repair or servicing of construction equipment and the jobsite delivering of construction materials in such areas shall be prohibited during the hours herein specified. Any person who knowingly and willfully violates the foregoing provision shall be deemed guilty of a misdemeanor punishable as elsewhere provided in this Code.

(b) The provisions of Subsection (a) shall not apply to any person who performs the construction, repair or excavation work involved pursuant to the express written permission of the Board of Police Commissioners through its Executive Director. The Executive Director, on behalf of the Board, may grant this permission, upon application in writing, where the work proposed to be done is in the public interest, or where hardship or injustice, or unreasonable delay would result from its interruption during the hours mentioned above, or where the building or structure involved is devoted or intended to be devoted to a use immediately related to public defense. The provisions of this section shall not in any event apply to

construction, repair or excavation work done within any district zoned for manufacturing or industrial uses under the provisions of Chapter I of this Code, nor to emergency work necessitated by any flood, fire or other catastrophe.

(c) No person, other than an individual homeowner engaged in the repair or construction of his single-family dwelling shall perform any construction or repair work of any kind upon, or any earth grading for, any building or structure located on land developed with residential buildings under the provisions of Chapter I of this Code, or perform such work within 500 feet of land so occupied, before 8:00 a.m. or after 6:00 p.m. on any Saturday or national holiday nor at any time on any Sunday. In addition, the operation, repair or servicing of construction equipment and the job-site delivering of construction materials in such areas shall be prohibited on Saturdays and on Sundays during the hours herein specified. The provisions of this subsection shall not apply to persons engaged in the emergency repair of:

1. Any building or structure.
2. Earth supporting or endangering any building or structure.
3. Any public utility.
4. Any public way or adjacent earth.

(j) As determined by the Executive Director of the Board, the provisions of Subsection (c) shall not apply to major public works construction by the City of Los Angeles and its proprietary Departments, including all structures and operations necessary to regulate or direct traffic due to construction activities. The Board, through its Executive Director, pursuant to Subsection (b) will grant a variance for this work and construction activities will be subject to all conditions of the variance as granted. Concurrent with the request for a variance, the City Department that will conduct the construction work will notify each affected Council district office and established Neighborhood Council of projects where proposed Sunday and/or Holiday work will occur. In summary, typical-weekday construction activities are prohibited before 7 a.m. and after 9 p.m. Construction activities on holidays and Saturdays (when occurring with 500-feet of the project area) are prohibited before 8 a.m. and after 6 p.m., and fully prohibited at any time on Sundays. If construction is required outside of the allowable time periods, a variant must be requested by the Executive Director of the Board of Police Commissioners.

4.5 CEQA Noise Significance Thresholds

The criteria for determining the significant impacts associated with noise and vibration have been developed based upon establishing which criteria contained in the various City of Los Angeles requirements relate to compliance with the California Environmental Quality Act (CEQA). These are primarily based on the City of Los Angeles CEQA Thresholds.

For purposes of this noise technical study, the proposed project may have a significant impact on noise if it would cause:

- Expose persons to or generate noise levels in excess of standards established in the local General Plan or noise ordinance, or applicable standards of other agencies;
- Expose persons to or generate excessive groundborne vibration or groundborne noise levels;

- Cause a substantial permanent increase in ambient noise levels in the project vicinity above existing levels without the proposed project;
- Cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above noise levels existing without the proposed project;
- Expose persons residing or working in the project area to excessive noise levels from aircraft.

5.0 Existing Noise Environment

Ambient noise levels, in the project area, are dominated by traffic noise, except for areas near the Metro Railyard and the existing rail lines where rail and industrial noises are intermittently audible. The noisiest locations are close to major roadways that run through the Project area, such as Main Street, Alameda Street, Los Angeles Street, Cesar Chavez Avenue and Arcadia Street. Research was conducted on adjacent long-term monitoring in the project area to characterize the 24-hour noise level in the project vicinity. The Cornfield Arroyo Seco Specific Plan and Redevelopment Plan provides a representative 24-hour measurement of the area at the North Broadway at Pasadena Avenue of 71 L_{dn} . This location's noise environment is very similar to the noise environment at LAUS. Therefore, it is anticipated that L_{dn} noise levels within the project vicinity will be consistent with this noise levels.

5.1 Existing Sensitive Receptor Locations

The Project vicinity is surrounded by commercial, industrial and recreational land uses. Land uses were identified that would be more sensitive to changes in noise levels from construction activities. These sensitive land uses were identified within 500 feet of the project improvement areas. Five sensitive receptors were identified within the project area:

- adjacent to the northeast corner of the project is an apartment complex, the Mosaic Apartments, located at the corner of Alameda Street and Cesar Chaves Avenue;
- at the south end of the project along Alameda Street is the First 5 LA daycare facility;
- at the intersection of Alameda Street and Los Angeles Street is the Los Angeles Plaza Park and the El Pueblo;
- at the corner of Los Angeles Street and Arcadia street is the Chinese American Museum
- two churches Our Lady Queen of Angeles Catholic Church and La Plaza Methodist Church are located along Main Street.

5.2 Site Visit Observations

Noise measurements were made to determine the existing noise environment in and around the site. The noise measurements consisted of attended spot measurements. A site visit and noise measurements were conducted on May 24th, 2017 (daytime) and June 8, 2017 (nighttime) to identify noise levels within the existing noise environment, as described in the following subsections.

Sounds perceived during the site visit and noise measurements included the following source types that characterize the existing outdoor ambient sound environment: traffic noise on Santa Fe Avenue and other local streets, HVAC noise from adjacent Metro facilities, occasional commuter rail pass-bys (LA Metro Light Rail and Rapid Transit, Amtrak, and Metrolink) and heavy freight rail pass-bys (Union Pacific/BNSF), and frequent aircraft overflights.

5.3 Noise Measurement Procedures Measurement Instrumentation

A Larson Davis Type 1 sound meter was used to take short-term measurements. These SLM were all outfitted with a 3.5" diameter open-cell microphone windscreen and were attached to a standard camera tripod, allowing the microphone position to be roughly 5 feet above grade. SLM calibration was field-checked before and after the measurement period with an acoustic calibrator. In addition to the noise reading, average wind speed, temperature, barometric pressure, and relative humidity were recorded on field data forms. During mid-day periods the outdoor temperature was measured at 77 degrees Fahrenheit, with relative humidity measured at 46 percent. During night time periods the outdoor temperature was measured at 63 degrees Fahrenheit, with relative humidity measured at 75 percent. Wind speeds during setup were calm, traveling less than 1 mile per hour. Skies were clear, and no precipitation occurred throughout the measurement period. Figure 3 illustrates the locations of the noise monitoring locations.

5.4 Field Measurement Equipment and Procedures

Noise levels for all measurements are in terms of A-weighted decibel equivalent sound level. Standard measurement procedures were utilized during field monitoring:

- Microphones were placed 5 feet above the ground elevation for all locations.
- Sound level meters were calibrated before and after each measurement.
- Following the calibration of equipment, a windscreen was placed over the microphone. Frequency weighting was set on "A" and slow response.
- Results of the noise measurements were recorded on field data sheets.
- Wind speed, temperature, humidity, and weather conditions were observed and documented.

Four instruments were used for field noise measurements:

- Sound Level Meter – A Larson Davis (LD) 824 System sound level meter was used to measure existing noise levels. This sound level meter and its microphone conform to the Institute of Electronic and Electric Engineers and the American National Standards Institute standards for Type 1 instruments.
- Microphone System – LD Model 2560 1.27-centimeter (0.5-inch) pressure microphone; LD Model 900 microphone preamplifier.
- Acoustic Field Calibrator – LD Model CAL250 Precision Acoustic Calibrator.
- Sony DSC-W50 Cybershot 6.0 Mega Pixel MPEG camera.

5.5 Measurement Locations

Short-term (ST) measurements (i.e., 15-minutes) were conducted at a total of five representative outdoor use areas along the Arcadia and Los Angeles Streets near the areas of proposed roadway improvements as shown in the collected field notes in Appendix A and Figure 3. Figure 3 below illustrates the five measurement locations and seven modeled sensitive receiver locations. Measurements were conducted

at these positions to collect noise level data that quantitatively characterize the existing ambient outdoor sound environment.

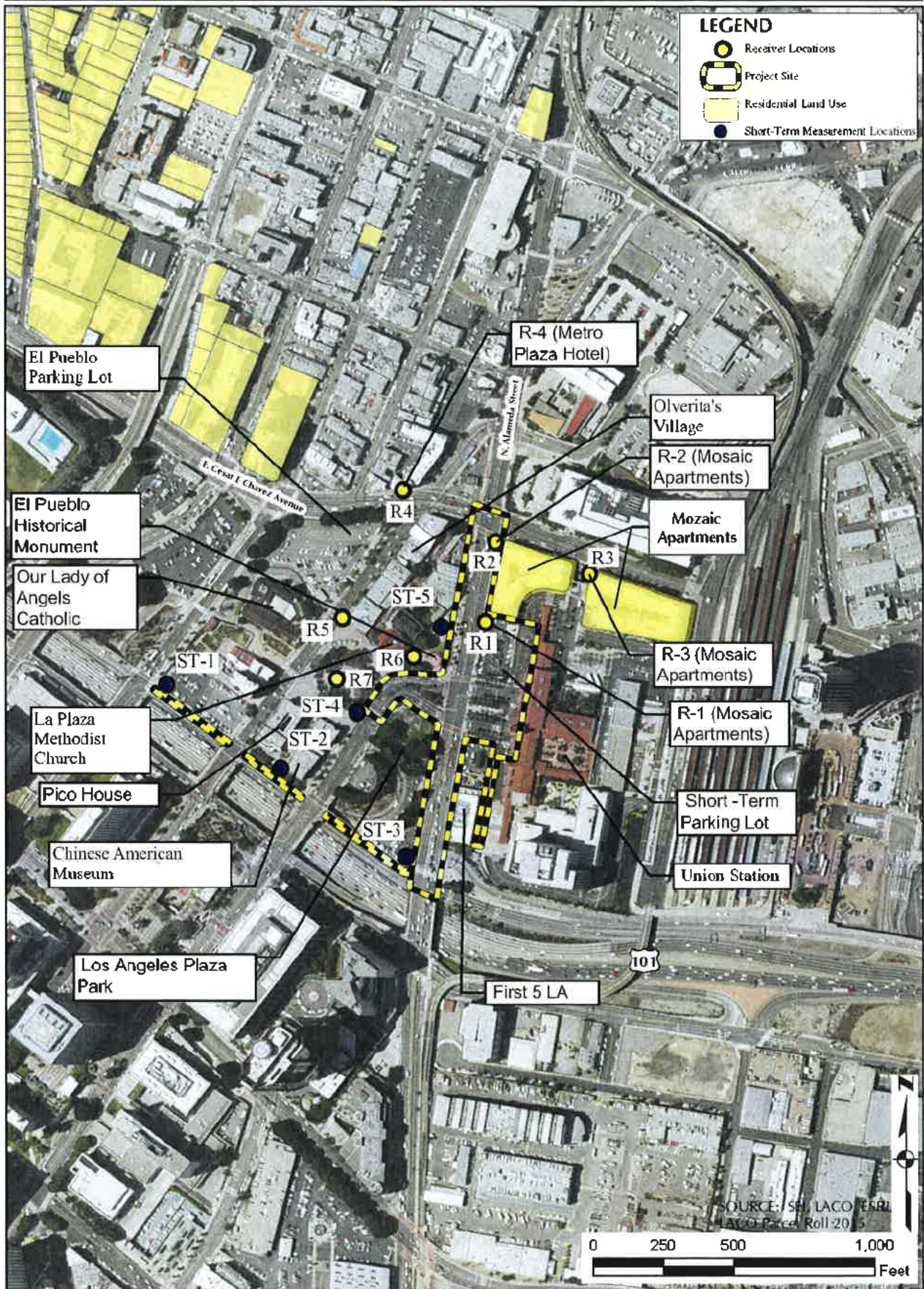


Figure 3. Short-term Noise Measurement Locations

5.6 Noise Measurement Results

Table 8 presents the measurement data from the short-term (ST) measurements showing measured A weighted L_{eq} . Detailed measurement and prediction data can be found in Attachment A. Construction activities may be occurring during both daytime and nighttime periods of the day, therefore to assess impacts short-term measurements were taken during both time periods to identify the noise environment that is currently experience during these times. The short-term measurements demonstrate that the 15-minute L_{eq} dBA noise readings for day and night range from the high 60's to the low 70's. These levels currently exceed the Los Angeles Noise Criteria of 65 dBA for residential land uses and 70 dBA for commercial land uses.

TABLE 8. SHORT-TERM NOISE MEASUREMENTS

Location ID	Address	Noise Reading Daytime		Noise Reading Nighttime	
		15-minute L_{eq}	Time	15-minute L_{eq}	Time
ST-1	171 Arcadia	68.8	11:00	72.3	19:13
ST-2	430 Sanchez Street	69.1	11:28	72.7	19:34
ST-3	711 Alameda	72.7	11:55	69.8	20:34
ST-4	125 Paseo del La Plaza	66.6	12:30	65.9	19:54
ST-5	845 Alameda	67.7	1:17	69.3	20:12

5.7 Predicted Noise and Vibration Impacts

This section discusses the noise and vibration impacts compared to the applicable noise significance thresholds. When a significant impact has been set forth, mitigation measures to address that potential impact are presented, along with a determination of whether the impact will continue to be significant after implementation of the mitigation measure.

5.7.1 Expose persons to or generate noise levels in excess of standards established in the local General Plan or noise ordinance, or applicable standards of other agencies;

The Traffic Noise Model 2.5 (TNM) and the project's traffic report (Fehr & Peers, 2013) was utilized to predict Existing, Future No-Build and Build project noise levels. As shown in Table 9, existing and future noise levels are consistent with high traffic volumes that would produce noise levels in the upper 60's and low 70's dBA range, which approach or exceed the respective NAC. Changes in noise levels between existing and the future no build environment are negligible (less than 1 dBA increase) and remain unnoticeable under future with project conditions. The proposed project improvements will not add

additional traffic on nearby local access roads to LAUS, therefore no new exceedances will occur. However, when considering noise impacts under NEPA, a noise abatement evaluation is triggered even if noise levels approach or exceedance the NAC without the project. The Caltrans Protocol considers several abatement measures to reduce noise levels, such as the construction of noise barriers, traffic management measures, alternation of horizontal and vertical alignments, acquisition of real property to serve as a buffer zone and noise insulation. Where applicable, several of these noise abatement measures have either been incorporated into the project design or currently exist. For example, traffic management measures have been incorporated into the project design such as exclusive lane designations, lane closures and alteration of horizontal alignments. Due to existing noise levels exceeding the NAC, the First Five facility near receiver (ST-3) has been acoustically insulated to reduce existing interior noise levels. Acquisition of land for creating buffer zones would not be practical as much of the areas where such measures would be most effective are already used by parks, apartments and businesses. Constructing permanent noise barriers are not feasible since there are no feasible locations where noise wall can be placed therefore, noise abatement is not required. Due to the negligible change in noise levels, operational noise impacts are less-than-significant.

TABLE 9. EXISTING AND FUTURE TRAFFIC NOISE LEVELS

Location	Existing Noise Levels (dBA)	No-Build Noise Levels (dBA)	Project Noise Levels (dBA)	Project Increase over Existing (dBA)	Noise Activity Category/ Standard	Approach/ Exceed NAC
ST-1 (171 Arcadia)	70.3	70.4	70.4	0.1	--	--
ST-2 (430 Sanchez)	71.1	71.1	71.1	0	--	--
ST-3 (711 Alameda)	71.9	72.1	72.1	0.2	B/67	Yes
ST-3 (711 Alameda-First 5 LA) ¹	51.9	52.1	52.1	0.2	E/52	Yes
ST-5 (845 Alameda)	66.3	66.9	67	0.7	B/67	Yes
R1 (Mosaic Apartments)	66.1	66.7	66.8	0.7	B/67	Yes
R2 (Mosaic Apartments)	68.4	68.9	69.1	0.7	B/67	Yes
R3 (Mosaic Apartments)	66.5	66.9	66.9	0.4	B/67	Yes
R4 (Metro Plaza Hotel)	70.9	71.2	71.2	0.3	E/72	Yes
R5 (Los Angeles Plaza Park)	63.4	63.8	63.8	0.4	C/67	No
R6 (La Pueblo Historic Museum)	63.8	64.6	64.6	0.8	C/67	No
R7 (La Luz del Dia)	62.4	63	63	0.6	E/67	No

¹ Interior noise levels obtained by applying a minimum 20 dBA reduction from building insulation.

5.7.2 Expose persons to or generate excessive groundborne vibration or groundborne noise levels;

As a result of construction of the proposed project, groundborne vibration may occur from the use of heavy equipment during demolition, grading and paving. Based on the reference vibration levels provided by the FTA, a large bulldozer represents the peak source of vibration with a reference level of 0.089 (in/sec) at a distance of 25 feet. Using the construction vibration assessment annoyance criteria provided by the FTA for infrequent events, as shown in Table 2 and 3, the proposed project site will not include nor require equipment, facilities, or activities that would result in causing building damage or perceptible human response (annoyance). Further, impacts at the site of the closest sensitive receptor are unlikely to

be sustained during the entire construction period, but will occur rather only during the times that heavy construction equipment is operating near the Project site perimeter. Moreover, construction at the Project site will be restricted to daytime hours consistent with City requirements thereby eliminating potential vibration impact during the sensitive nighttime hours. On this basis, the potential for the proposed project to result in exposure of persons to, or generation of, excessive ground-borne vibration is determined to be less than significant.

The proposed project reduces the number of travel lanes and does not add capacity to existing roadways. Groundborne vibration from vehicular traffic rarely causes a disturbance within buildings located in urban environments unless the pavement surface is uneven, or the receptor is highly sensitive (e.g., a scientific research establishment) to groundborne vibration. Therefore, groundborne vibration levels within the project are not expected to increase as a result of the implementation of the Proposed Project.

5.7.3 Cause a substantial permanent increase in ambient noise levels in the project vicinity above existing levels without the proposed project;

As shown in Table 9, the operation of the proposed project would not increase noise over existing exterior levels within in the project area. The proposed project improvements will no add additional traffic on nearby local access roads to LAUS. Therefore, nearby buildings would not experience a change in noise levels during the operation of the project. Therefore, this noise impacts are less-than-significant.

5.7.4 Cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above noise levels existing without the proposed project;

The construction of the proposed project would require four phases of construction: demolition, site preparation, grading and paving (including striping/new configuration on Alameda and Los Angeles St). Noise would be produced by the operation of heavy-duty equipment. Construction noise levels were estimated using FTA guidance (FTA, 2006), which provides a method for calculating noise levels for the two noisiest pieces of equipment operating in each construction phase using reference noise levels for individual pieces of equipment. Full power operation for a time-period of one hour was assumed because more construction equipment operates continuously for periods of one hour or more at some point in the construction period. No ground effects were considered. The closest receptors are the Mosaic Apartments and La Plaza Park, which are within 50 feet of where construction would be occurring. The noise levels associated with equipment that may be used during the various construction phases are shown in Table 10. As shown in Table 10, during each phase of construction the noise level would have the potential to exceed the City of Los Angeles day time noise level 75 dBA at any given hour during day time construction. Project design features and BMPs consistent with the City of Los Angeles Municipal Code requirements articulated in Section 112.05 and Section 41.40⁹ would be implemented to reduce the temporary increase in noise levels from construction of the proposed project to less than significant levels. The use of temporary noise mufflers barriers and blankets would reduce noise levels for construction equipment by up to 15 dBA¹⁰ Therefore, construction noise would result in less than significant impacts.

⁹City of Los Angeles Municipal Code. Available at: http://www.amlegal.com/codes/client/los-angeles_ca/

¹⁰ U.S. Environmental Protection Agency. 1971. Noise from Construction Equipment and Operation, Building Equipment and Home Appliances. PB 206717. Washington, DC.

TABLE 10. CONSTRUCTION EQUIPMENT BY PHASE WITH ASSOCIATED MAXIMUM 1-hr L_{eq}

Equipment Type	Number of equipment	dBA at 50 feet	Predicted Noise Levels based on Two Noisiest Pieces of Equipment (dBA) 1-hr L_{eq}
Demolition			
Concrete Saw	1	76	88
Rubber Tired Dozer	1	85	
Tractor/Loader/Backhoe	3	80	
Hydraulic Excavator	2	85	
Site Preparation			
Grader	1	85	88
Rubber Tired Dozer	1	85	
Tractor/Loader/Backhoe	1	85	
Grading			
Grader	1	85	88
Rubber Tired Dozer	1	85	
Paving			
Cement and Mortar Mixer	1	85	92
Pavers	1	89	
Paving Equipment	1	89	
Rollers	1	74	
Tractor/Loader/Backhoe	1	85	

5.7.5 Expose persons residing or working in the project area to excessive noise levels from aircraft.

The project area is outside of the LAX airport noise contour. The proposed project will not generate operational noise levels that would increase the noise within the existing environment. Therefore, the proposed project area would not exposure people working in the project area to excessive noise levels associated with aircraft.

6.0 Mitigation Measures

Construction, operation and maintenance of the proposed project would be consistent with the requirements articulated in the City of Los Angeles noise control ordinances where feasible.

Adherence to local noise ordinances articulated in Section 112.05 and Section 41.40 of the City of Los Angeles Municipal Code, and implementation of construction Best Management Practices and project design features as specified in Section 2.6, *Construction Scenario and Assumptions* would reduce impacts from construction noise on sensitive receptors to less than significant, and no mitigation would be required.

7.0 References

Caltrans. (2013) Caltrans Transportation and Construction Vibration Guidance Manual

County of Los Angeles. (2015) "Noise Element." Los Angeles County General Plan 2035.

City of Los Angeles. (1999). "Noise Element." Los Angeles City General Plan.

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Fehr & Peers (2017). LAUS Traffic Report

Federal Transit Administration. (2006, May). Chapter 7 (Vibration) and Chapter 12 (Construction Noise). Transit Noise and Vibration Impact Assessment.

US Department of Housing and Urban Development (HUD). (1991). Chapter 5. The Noise Guidebook. US Department of Transportation, Federal Highway Administration (FHWA). (2006). Highway Construction Handbook.

Appendix A Noise Monitoring Forms

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

FIELD NOISE MEASUREMENT

Project: Forecourt and Esplanade Improvements

ID

Site ID: ST-1 Engineer (s): ENTECH

Date:

0	5	2	4	2	0	1	7
---	---	---	---	---	---	---	---

 Start Time:

--	--	--	--

 :

--	--	--	--

Property Owner: _____


Address: _____

WEATHER

Temp. _____ °F Hum. _____ % R.H. Wind Spd: _____ mph

Sky: OVRGST PARTLY CLOUDY CLEAR SUNNY

FOG RAIN OTHER: _____

Wind Dir. 

NW N NE
W Calm E
SW S SE

SOUND

SLM ID: _____ Calibration: (Pre) _____ dBA (Post) _____ dBA

SLM Record ID: # _____ Duration:

--	--	--	--

 :

--	--	--	--

 L_{eq} _____ dBA

NOISE SOURCE

Contamination:

Aircraft

Rustling leaves

Dogs barking

Birds

Children playing

Other _____

Major Source:

Rail Aircraft

Traffic Industrial Other _____

Traffic Count

--	--	--	--

 :

--	--	--	--

Duration:

--	--	--	--

 :

--	--	--	--

Dir.	Auto		M. Truck		H. Truck		Bus		Motorcycle	
	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)

Speed Estimated By:

Radar Driving


Other _____

FILING


Photo: Camera ID _____ File #: _____

Video: Camera ID _____ File #: _____

TOPO & COMMENTS

Pavement: <input type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> Mixed	Terrain: <input type="checkbox"/> Flat <input type="checkbox"/> Uneven <input type="checkbox"/> Shape	Land Use: Cu. _____ Fu. _____	Δ Elev. 
--	---	--	---

COMMENTS



TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
210					84	42	42	42
215					86	43	43	43
220					88	44	44	44
225					90	45	45	45
230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
305					122	61	61	61
310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

TRAFFIC COUNT SHEET

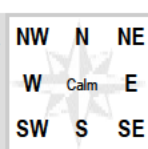
AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
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230					92	46	46	46
235					94	47	47	47
240					96	48	48	48
245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
270					108	54	54	54
275					110	55	55	55
280					112	56	56	56
285					114	57	57	57
290					116	58	58	58
295					118	59	59	59
300					120	60	60	60
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310					124	62	62	62
315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
335					134	67	67	67
340					136	68	68	68
345					138	69	69	69
350					140	70	70	70
355					142	71	71	71
360					144	72	72	72
365					146	73	73	73
370					148	74	74	74
375					150	75	75	75
380					152	76	76	76
385					154	77	77	77
390					156	78	78	78
395					158	79	79	79
400					160	80	80	80

FIELD NOISE MEASUREMENT

Project: Forecourt and Esplanade Improvements










ID	Site ID: <u>ST-4</u> Engineer (s): <u>Sapphos Environmental</u>												
	Date: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; text-align: center;">0</td><td style="width: 20px; text-align: center;">6</td><td style="width: 20px; text-align: center;">0</td><td style="width: 20px; text-align: center;">8</td><td style="width: 20px; text-align: center;">2</td><td style="width: 20px; text-align: center;">0</td><td style="width: 20px; text-align: center;">1</td><td style="width: 20px; text-align: center;">7</td></tr></table> Start Time: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> : <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>	0	6	0	8	2	0	1	7				
	0	6	0	8	2	0	1	7					
Property Owner: _____													
Address: _____													


WEATHER	Temp. _____ °F Hum. _____ % R.H. Wind Spd: _____ mph																					
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Sky:</td> <td><input type="checkbox"/> OVRGST</td> <td><input type="checkbox"/> PARTLY CLOUDY</td> <td><input type="checkbox"/> CLEAR</td> <td><input type="checkbox"/> SUNNY</td> </tr> <tr> <td></td> <td><input type="checkbox"/> FOG</td> <td><input type="checkbox"/> RAIN</td> <td colspan="2"><input type="checkbox"/> OTHER: _____</td> </tr> </table> <div style="float: right; text-align: center;"> <table border="1" style="border: none;"> <tr><td style="border: none;">Wind Dir.</td><td style="border: none;">NW</td><td style="border: none;">N</td><td style="border: none;">NE</td></tr> <tr><td style="border: none;"></td><td style="border: none;">W</td><td style="border: none;">Calm</td><td style="border: none;">E</td></tr> <tr><td style="border: none;"></td><td style="border: none;">SW</td><td style="border: none;">S</td><td style="border: none;">SE</td></tr> </table>  </div>	Sky:	<input type="checkbox"/> OVRGST	<input type="checkbox"/> PARTLY CLOUDY	<input type="checkbox"/> CLEAR	<input type="checkbox"/> SUNNY		<input type="checkbox"/> FOG	<input type="checkbox"/> RAIN	<input type="checkbox"/> OTHER: _____		Wind Dir.	NW	N	NE		W	Calm	E		SW	S
Sky:	<input type="checkbox"/> OVRGST	<input type="checkbox"/> PARTLY CLOUDY	<input type="checkbox"/> CLEAR	<input type="checkbox"/> SUNNY																		
	<input type="checkbox"/> FOG	<input type="checkbox"/> RAIN	<input type="checkbox"/> OTHER: _____																			
Wind Dir.	NW	N	NE																			
	W	Calm	E																			
	SW	S	SE																			

SOUND	SLM ID: _____ Calibration: (Pre) _____ dBA (Post) _____ dBA			
	SLM Record ID: # _____ Duration: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> : <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> L_{eq} _____ dBA			

NOISE SOURCE	Contamination: <input type="checkbox"/> Aircraft <input type="checkbox"/> Rustling leaves <input type="checkbox"/> Dogs barking <input type="checkbox"/> Birds <input type="checkbox"/> Children playing <input type="checkbox"/> Other _____	Major Source: <input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Rail <input type="checkbox"/> Aircraft <input type="checkbox"/> Industrial <input type="checkbox"/> Other _____	Traffic Count <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> : <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> Duration: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> : <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>																																																						
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Dir.</th> <th colspan="2">Auto</th> <th colspan="2">M. Truck</th> <th colspan="2">H. Truck</th> <th colspan="2">Bus</th> <th colspan="2">Motorcycle</th> </tr> <tr> <th>Count</th> <th>Speed (mph)</th> <th>Count</th> <th>Speed (mph)</th> <th>Count</th> <th>Speed (mph)</th> <th>Count</th> <th>Speed (mph)</th> <th>Count</th> <th>Speed (mph)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Dir.	Auto		M. Truck		H. Truck		Bus		Motorcycle		Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)																																	
Dir.	Auto		M. Truck		H. Truck		Bus		Motorcycle																																																
	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)	Count	Speed (mph)																																															
Speed Estimated By: <input type="checkbox"/> Radar <input type="checkbox"/> Driving <input type="checkbox"/> Other _____																																																									

FILING	Photo: Camera ID _____ File #: _____
	Video: Camera ID _____ File #: _____

TOPO & COMMENTS	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"> Pavement: <input type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> Mixed </td> <td style="width: 25%;"> Terrain: <input type="checkbox"/> Flat <input type="checkbox"/> Uneven <input type="checkbox"/> Shape </td> <td style="width: 25%;"> Land Use: Cu. _____ Fu. _____ </td> <td style="width: 25%;"> Δ Elev.    </td> </tr> </table>	Pavement: <input type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> Mixed	Terrain: <input type="checkbox"/> Flat <input type="checkbox"/> Uneven <input type="checkbox"/> Shape	Land Use: Cu. _____ Fu. _____	Δ Elev.   					
	Pavement: <input type="checkbox"/> Hard <input type="checkbox"/> Soft <input type="checkbox"/> Mixed	Terrain: <input type="checkbox"/> Flat <input type="checkbox"/> Uneven <input type="checkbox"/> Shape	Land Use: Cu. _____ Fu. _____	Δ Elev.   						
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> </table>										



TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
5					2	1	1	1
10					4	2	2	2
15					6	3	3	3
20					8	4	4	4
25					10	5	5	5
30					12	6	6	6
35					14	7	7	7
40					16	8	8	8
45					18	9	9	9
50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
105					42	21	21	21
110					44	22	22	22
115					46	23	23	23
120					48	24	24	24
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130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
155					62	31	31	31
160					64	32	32	32
165					66	33	33	33
170					68	34	34	34
175					70	35	35	35
180					72	36	36	36
185					74	37	37	37
190					76	38	38	38
195					78	39	39	39
200					80	40	40	40

AUTO					M. T.	H.T	Bus	Mo.
205					82	41	41	41
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245					98	49	49	49
250					100	50	50	50
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275					110	55	55	55
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290					116	58	58	58
295					118	59	59	59
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315					126	63	63	63
320					128	64	64	64
325					130	65	65	65
330					132	66	66	66
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380					152	76	76	76
385					154	77	77	77
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TRAFFIC COUNT SHEET

AUTO					M. T.	H.T	Bus	Mo.
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50					20	10	10	10
55					22	11	11	11
60					24	12	12	12
65					26	13	13	13
70					28	14	14	14
75					30	15	15	15
80					32	16	16	16
85					34	17	17	17
90					36	18	18	18
95					38	19	19	19
100					40	20	20	20
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115					46	23	23	23
120					48	24	24	24
125					50	25	25	25
130					52	26	26	26
135					54	27	27	27
140					56	28	28	28
145					58	29	29	29
150					60	30	30	30
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245					98	49	49	49
250					100	50	50	50
255					102	51	51	51
260					104	52	52	52
265					106	53	53	53
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400					160	80	80	80

Appendix H

Traffic Data

APPENDIX H-1: INTERSECTION COUNTS

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-039

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Broadway			Broadway			Alpine St			Alpine St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	0	1	2	0	0	2	0	0	2	0	
6:00 AM	0	44	5	4	114	8	1	19	6	9	16	5	231
6:15 AM	3	35	9	7	211	19	1	24	6	10	19	7	351
6:30 AM	5	38	7	16	268	39	1	21	7	11	46	4	463
6:45 AM	7	44	7	16	291	33	1	25	2	22	54	14	516
7:00 AM	4	49	5	17	348	40	2	31	1	44	99	10	650
7:15 AM	11	65	12	25	311	54	5	31	5	39	93	7	658
7:30 AM	11	86	12	21	308	51	4	26	5	43	113	22	702
7:45 AM	12	78	12	25	295	52	7	43	9	43	108	15	699
8:00 AM	6	62	9	22	306	44	7	42	10	55	91	14	668
8:15 AM	9	60	8	27	315	51	1	33	2	31	98	12	647
8:30 AM	6	55	15	32	318	38	2	37	9	34	130	12	688
8:45 AM	5	50	14	22	294	46	4	29	5	44	135	14	662
TOTAL VOLUMES :	79	666	115	234	3379	475	36	361	67	385	1002	136	6935
APPROACH %'s :	9.19%	77.44%	13.37%	5.72%	82.66%	11.62%	7.76%	77.80%	14.44%	25.28%	65.79%	8.93%	
PEAK HR START TIME :	7:15 AM												TOTAL
PEAK HR VOL :	40	291	45	93	1220	201	23	142	29	180	405	58	2727
PEAK HR FACTOR :	0.862			0.971			0.822			0.903			0.971

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-039

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Broadway			Broadway			Alpine St			Alpine St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	
3:00 PM	8	109	10	10	91	7	13	46	14	14	55	33	410
3:15 PM	15	141	14	4	119	11	11	46	13	8	49	37	468
3:30 PM	15	165	15	16	123	12	10	52	17	16	55	39	535
3:45 PM	8	184	22	9	129	8	15	41	11	15	46	36	524
4:00 PM	21	214	18	8	124	15	9	38	16	24	59	47	593
4:15 PM	12	248	10	11	126	7	20	52	15	20	63	54	638
4:30 PM	12	290	10	6	155	7	19	50	9	15	71	53	697
4:45 PM	17	257	13	10	139	15	18	50	12	14	64	56	665
5:00 PM	12	268	13	13	155	15	21	62	11	12	76	68	726
5:15 PM	8	284	3	11	130	9	19	60	12	15	72	52	675
5:30 PM	5	267	9	10	145	15	18	58	7	7	99	62	702
5:45 PM	11	264	8	20	164	8	18	50	8	17	80	62	710
TOTAL VOLUMES :	144	2691	145	128	1600	129	191	605	145	177	789	599	7343
APPROACH %'s :	4.83%	90.30%	4.87%	6.89%	86.16%	6.95%	20.30%	64.29%	15.41%	11.31%	50.42%	38.27%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	36	1083	33	54	594	47	76	230	38	51	327	244	2813
PEAK HR FACTOR :	0.976			0.905			0.915			0.926			0.969

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-012

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			N Vignes St_Alpine St			N Vignes St_Alpine St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 3	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	
6:00 AM	5	23	0	9	115	9	2	20	7	8	21	10	229
6:15 AM	3	39	1	13	159	11	3	16	9	13	48	19	334
6:30 AM	4	44	2	24	187	19	4	23	10	11	68	16	412
6:45 AM	6	53	2	22	179	27	9	15	14	9	129	15	480
7:00 AM	5	28	1	24	212	48	4	32	7	7	174	20	562
7:15 AM	12	83	1	21	246	62	7	22	17	9	186	25	691
7:30 AM	18	75	2	35	229	46	10	27	16	17	176	47	698
7:45 AM	11	70	0	33	245	57	14	33	14	12	175	34	698
8:00 AM	15	48	6	33	212	76	13	28	16	7	184	28	666
8:15 AM	9	62	4	37	236	54	17	24	15	12	194	33	697
8:30 AM	14	63	4	31	135	62	8	20	17	20	181	30	585
8:45 AM	15	76	3	24	240	81	14	35	15	23	174	42	742
TOTAL VOLUMES :	117	664	26	306	2395	552	105	295	157	148	1710	319	6794
APPROACH %'s :	14.50%	82.28%	3.22%	9.41%	73.62%	16.97%	18.85%	52.96%	28.19%	6.80%	78.55%	14.65%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	53	255	12	138	922	233	54	112	61	48	729	142	2759
PEAK HR FACTOR :	0.842			0.965			0.930			0.957			0.988

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-012

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			N Vignes St_Alpine St			N Vignes St_Alpine St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 3	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	
3:00 PM	17	109	2	18	86	7	10	37	17	10	87	49	449
3:15 PM	17	148	5	15	89	11	17	38	15	10	76	54	495
3:30 PM	18	165	8	12	76	15	15	49	13	10	79	61	521
3:45 PM	27	184	5	18	98	7	11	45	18	14	93	77	597
4:00 PM	22	183	6	13	98	11	26	57	18	11	87	77	609
4:15 PM	30	219	6	19	97	8	20	53	19	8	85	72	636
4:30 PM	39	242	9	24	79	9	20	66	18	11	103	90	710
4:45 PM	28	227	16	20	86	19	37	52	15	12	84	91	687
5:00 PM	39	255	11	22	114	11	40	78	17	15	91	88	781
5:15 PM	36	233	7	26	95	18	24	89	18	15	86	83	730
5:30 PM	47	221	12	19	85	16	16	82	19	9	118	88	732
5:45 PM	49	241	18	26	90	10	20	63	14	15	111	86	743
TOTAL VOLUMES :	369	2427	105	232	1093	142	256	709	201	140	1100	916	7690
APPROACH %'s :	12.72%	83.66%	3.62%	15.81%	74.51%	9.68%	21.96%	60.81%	17.24%	6.49%	51.02%	42.49%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	171	950	48	93	384	55	100	312	68	54	406	345	2986
PEAK HR FACTOR :	0.949			0.905			0.889			0.936			0.956

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-015

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Vignes St			N Vignes St			N Main St			N Main St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	1	2	0	1	2	0	1	2	0	
6:00 AM	0	23	4	29	52	12	4	24	1	0	28	37	214
6:15 AM	0	41	5	41	80	38	0	25	2	0	48	25	305
6:30 AM	0	34	2	25	84	65	5	40	2	0	26	20	303
6:45 AM	3	42	6	35	113	119	4	37	2	0	44	29	434
7:00 AM	4	31	7	50	90	122	19	40	0	0	64	24	451
7:15 AM	0	30	9	48	133	151	8	32	0	0	71	49	531
7:30 AM	0	48	12	62	116	118	14	49	1	0	116	52	588
7:45 AM	0	52	10	63	100	124	11	57	0	0	104	51	572
8:00 AM	0	31	9	51	139	144	24	41	1	0	72	34	546
8:15 AM	1	35	10	43	124	143	10	47	3	0	98	40	554
8:30 AM	0	53	9	43	110	143	16	42	1	0	83	42	542
8:45 AM	0	43	17	58	97	140	21	34	2	0	100	42	554
TOTAL VOLUMES :	8	463	100	548	1238	1319	136	468	15	0	854	445	5594
APPROACH %'s :	1.40%	81.09%	17.51%	17.65%	39.87%	42.48%	21.97%	75.61%	2.42%	0.00%	65.74%	34.26%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	1	166	41	219	479	529	59	194	5	0	390	177	2260
PEAK HR FACTOR :	0.839			0.918			0.949			0.844			0.961

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIIP-015

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Vignes St			N Vignes St			N Main St			N Main St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	1	2	0	1	2	0	1	2	0	
3:00 PM	2	52	8	34	52	28	22	32	1	0	116	28	375
3:15 PM	1	58	6	28	69	28	23	38	1	0	109	60	421
3:30 PM	0	68	8	60	64	25	27	40	4	0	123	49	468
3:45 PM	3	82	10	32	66	41	24	39	2	0	146	45	490
4:00 PM	3	85	5	62	64	25	27	45	3	0	147	63	529
4:15 PM	0	90	11	48	48	29	27	50	0	0	139	55	497
4:30 PM	1	128	8	69	69	38	37	60	1	0	156	62	629
4:45 PM	2	129	6	31	59	33	38	47	0	0	152	87	584
5:00 PM	0	182	9	47	78	54	61	54	0	0	144	79	708
5:15 PM	0	152	9	57	65	41	55	64	1	0	146	88	678
5:30 PM	3	152	5	42	58	42	49	65	0	0	167	88	671
5:45 PM	2	153	11	37	66	44	57	49	0	0	169	97	685
TOTAL VOLUMES :	17	1331	96	547	758	428	447	583	13	0	1714	801	6735
APPROACH %'s :	1.18%	92.17%	6.65%	31.56%	43.74%	24.70%	42.86%	55.90%	1.25%	0.00%	68.15%	31.85%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	5	639	34	183	267	181	222	232	1	0	626	352	2742
PEAK HR FACTOR :	0.887			0.881			0.948			0.919			0.968

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-003

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Vignes St			Vignes St			Bauchet St			Bauchet St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	1	1	2	0	0	1	0	1	1	0	
6:00 AM	8	60	114	39	25	3	0	3	2	87	0	16	357
6:15 AM	3	54	118	38	31	8	0	1	3	72	1	20	349
6:30 AM	3	61	53	24	38	4	0	2	5	43	2	14	249
6:45 AM	8	87	57	21	51	3	0	2	0	45	2	10	286
7:00 AM	4	96	49	18	76	1	1	0	0	25	0	9	279
7:15 AM	4	112	38	9	71	1	0	0	3	24	2	10	274
7:30 AM	3	161	45	14	103	3	1	2	4	24	2	6	368
7:45 AM	6	148	40	18	128	0	3	1	2	22	1	4	373
8:00 AM	8	154	36	16	94	3	0	0	0	27	0	7	345
8:15 AM	2	110	43	12	82	6	0	1	0	24	1	6	287
8:30 AM	9	117	38	9	72	5	1	2	6	27	1	5	292
8:45 AM	7	120	39	10	58	2	0	2	1	18	3	4	264
TOTAL VOLUMES :	65	1280	670	228	829	39	6	16	26	438	15	111	3723
APPROACH %'s :	3.23%	63.52%	33.25%	20.80%	75.64%	3.56%	12.50%	33.33%	54.17%	77.66%	2.66%	19.68%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	19	573	164	60	407	12	4	4	6	97	4	23	1373
PEAK HR FACTOR :	0.904			0.820			0.500			0.912			0.920

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-003

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	PM												TOTAL
	Vignes St			Vignes St			Bauchet St			Bauchet St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 0	EL 0	ET 1	ER 0	WL 1	WT 1	WR 0	
3:00 PM	7	113	14	6	78	4	3	1	6	91	3	34	360
3:15 PM	7	120	12	7	81	2	1	1	7	63	2	30	333
3:30 PM	4	147	21	9	103	4	4	2	5	64	5	30	398
3:45 PM	11	146	17	11	67	1	4	1	1	45	2	24	330
4:00 PM	9	208	14	6	73	4	7	0	4	62	2	21	410
4:15 PM	7	194	18	4	88	2	4	0	2	43	5	31	398
4:30 PM	6	240	18	5	117	6	2	4	7	66	6	22	499
4:45 PM	3	202	14	3	63	3	6	0	2	40	2	25	363
5:00 PM	8	234	8	7	94	1	2	1	7	54	1	23	440
5:15 PM	5	197	17	5	111	0	2	1	3	34	2	13	390
5:30 PM	3	236	16	8	99	2	5	2	2	21	2	11	407
5:45 PM	7	253	14	8	101	2	2	1	7	25	1	15	436
TOTAL VOLUMES :	NL 77	NT 2290	NR 183	SL 79	ST 1075	SR 31	EL 42	ET 14	ER 53	WL 608	WT 33	WR 279	TOTAL 4764
APPROACH %'s :	3.02%	89.80%	7.18%	6.67%	90.72%	2.62%	38.53%	12.84%	48.62%	66.09%	3.59%	30.33%	
PEAK HR START TIME :	4:15 PM												TOTAL
PEAK HR VOL :	24	870	58	19	362	12	14	5	18	203	14	101	1700
PEAK HR FACTOR :	0.902			0.768			0.712			0.846			0.852

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-013

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Vignes St			N Vignes St			East Cesar E Chavez Ave			East Cesar E Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 1	
6:00 AM	29	71	16	49	49	13	28	45	32	34	189	63	618
6:15 AM	24	63	15	58	56	13	24	50	25	59	267	71	725
6:30 AM	41	54	18	26	43	13	11	71	31	48	354	60	770
6:45 AM	36	54	11	28	67	8	15	71	37	49	376	63	815
7:00 AM	45	64	29	32	62	15	9	80	45	63	324	61	829
7:15 AM	43	76	15	22	68	6	12	106	33	45	354	76	856
7:30 AM	42	96	23	35	71	8	5	103	48	64	287	96	878
7:45 AM	40	66	14	41	74	12	10	108	51	67	311	103	897
8:00 AM	37	70	15	29	78	7	11	99	43	61	302	61	813
8:15 AM	33	71	20	19	80	6	15	110	46	75	315	67	857
8:30 AM	33	85	15	25	68	17	8	97	42	75	310	72	847
8:45 AM	49	91	20	21	59	14	7	102	50	49	302	75	839
TOTAL VOLUMES :	452	861	211	385	775	132	155	1042	483	689	3691	868	9744
APPROACH %'s :	29.66%	56.50%	13.85%	29.80%	59.98%	10.22%	9.23%	62.02%	28.75%	13.13%	70.33%	16.54%	
PEAK HR START TIME :	700 AM												TOTAL
PEAK HR VOL :	170	302	81	130	275	41	36	397	177	239	1276	336	3460
PEAK HR FACTOR :	0.859			0.878			0.902			0.962			0.964

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-013

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Vignes St			N Vignes St			East Cesar E Chavez Ave			East Cesar E Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 1	
3:00 PM	48	94	34	72	61	17	9	178	48	12	102	33	708
3:15 PM	52	116	44	68	79	15	18	170	49	19	130	31	791
3:30 PM	60	121	40	81	89	20	12	182	46	16	148	30	845
3:45 PM	60	134	35	49	74	9	14	201	35	12	132	36	791
4:00 PM	51	155	56	83	80	9	9	232	72	17	173	45	982
4:15 PM	45	137	42	63	67	13	4	236	52	19	150	36	864
4:30 PM	48	178	60	94	94	10	15	228	73	20	176	42	1038
4:45 PM	74	184	40	49	75	22	10	239	68	15	152	50	978
5:00 PM	66	152	48	74	87	12	12	259	58	18	214	47	1047
5:15 PM	69	159	38	68	89	6	15	202	59	37	220	67	1029
5:30 PM	59	153	51	54	71	11	11	201	53	33	209	89	995
5:45 PM	50	153	26	52	52	8	11	221	51	21	215	95	955
TOTAL VOLUMES :	682	1736	514	807	918	152	140	2549	664	239	2021	601	11023
APPROACH %'s :	23.26%	59.21%	17.53%	42.99%	48.91%	8.10%	4.18%	76.02%	19.80%	8.35%	70.64%	21.01%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	257	673	186	285	345	50	52	928	258	90	762	206	4092
PEAK HR FACTOR :	0.936			0.859			0.941			0.816			0.977

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-013

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Lyon St			Lyon St			Cesar E. Chavez Ave			Cesar E. Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1	0	0	0	0	0	2	0	0.5	2.5	0	
6:00 AM	0	0	0	0	0	0	0	112	0	0	256	0	368
6:15 AM	0	0	0	0	0	0	0	114	0	0	415	0	529
6:30 AM	1	0	2	0	0	0	0	119	1	1	411	0	535
6:45 AM	1	0	1	0	0	0	0	95	1	3	491	0	592
7:00 AM	1	0	0	0	0	0	0	131	1	0	448	0	581
7:15 AM	1	0	2	0	0	0	0	144	5	1	470	0	623
7:30 AM	2	0	2	0	0	0	0	171	1	3	461	0	640
7:45 AM	0	0	4	0	0	0	0	164	3	2	438	0	611
8:00 AM	2	0	1	0	0	0	0	148	1	1	450	0	603
8:15 AM	2	0	1	0	0	0	0	152	3	0	446	0	604
8:30 AM	1	0	1	0	0	0	0	148	1	1	393	0	545
8:45 AM	1	0	1	0	0	0	0	126	2	0	438	0	568
TOTAL VOLUMES :	12	0	15	0	0	0	0	1624	19	12	5117	0	6799
APPROACH %'s :	44.44%	0.00%	55.56%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	98.84%	1.16%	0.23%	99.77%	0.00%	
PEAK HR START TIME :	7:15 AM												TOTAL
PEAK HR VOL :	5	0	9	0	0	0	0	627	10	7	1819	0	2477
PEAK HR FACTOR :	0.875			0.000			0.926			0.969			0.968

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-013

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Lyon St			Lyon St			Cesar E. Chavez Ave			Cesar E. Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1	0	0	0	0	0	2	0	0.5	2.5	0	
3:00 PM	1	0	1	0	0	0	0	317	1	2	135	0	457
3:15 PM	0	0	0	0	0	0	0	284	1	0	181	0	466
3:30 PM	4	0	3	0	0	0	0	334	1	0	182	0	524
3:45 PM	1	0	1	0	0	0	0	302	2	0	196	0	502
4:00 PM	7	0	3	0	0	0	0	331	4	1	207	0	553
4:15 PM	3	0	1	0	0	0	0	331	2	1	218	0	556
4:30 PM	2	0	0	0	0	0	0	369	1	1	220	0	593
4:45 PM	0	0	1	0	0	0	0	318	0	2	238	0	559
5:00 PM	1	0	1	0	0	0	0	337	1	5	253	0	598
5:15 PM	1	0	0	0	0	0	0	341	0	4	331	0	677
5:30 PM	1	0	1	0	0	0	0	319	0	1	330	0	652
5:45 PM	0	0	2	0	0	0	0	289	1	1	323	0	616
TOTAL VOLUMES :	21	0	14	0	0	0	0	3872	14	18	2814	0	6753
APPROACH %'s :	60.00%	0.00%	40.00%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	99.64%	0.36%	0.64%	99.36%	0.00%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	3	0	4	0	0	0	0	1286	2	11	1237	0	2543
PEAK HR FACTOR :	0.875			0.000			0.944			0.931			0.939

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-027

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	Mission Rd			Mission Rd			Cesar Chavez Ave			Cesar Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1.5	ET 1.5	ER 0	WL 1	WT 2	WR 0	
6:00 AM	55	43	9	2	94	72	30	26	47	44	180	1	603
6:15 AM	42	55	13	1	111	138	34	31	60	51	219	1	756
6:30 AM	49	73	10	7	151	124	50	21	32	43	294	2	856
6:45 AM	44	46	9	7	183	176	66	32	26	57	272	1	919
7:00 AM	36	81	9	10	224	169	52	54	36	47	279	2	999
7:15 AM	45	89	15	7	234	201	78	50	23	71	222	5	1040
7:30 AM	47	130	14	5	233	155	74	48	23	66	268	2	1065
7:45 AM	57	115	42	10	278	187	84	58	45	96	209	0	1181
8:00 AM	52	116	21	7	216	171	60	50	27	74	216	2	1012
8:15 AM	51	126	11	3	266	204	51	57	25	61	215	4	1074
8:30 AM	52	113	11	7	286	177	54	36	35	55	209	10	1045
8:45 AM	45	100	16	15	260	144	64	55	41	46	202	6	994
TOTAL VOLUMES :	575	1087	180	81	2536	1918	697	518	420	711	2785	36	11544
APPROACH %'s :	31.22%	59.01%	9.77%	1.79%	55.92%	42.29%	42.63%	31.68%	25.69%	20.13%	78.85%	1.02%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	207	487	88	25	993	717	269	213	120	297	908	8	4332
PEAK HR FACTOR :	0.914			0.913			0.805			0.903			0.917

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-027

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	Mission Rd			Mission Rd			Cesar Chavez Ave			Cesar Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1.5	ET 1.5	ER 0	WL 1	WT 2	WR 0	
3:00 PM	10	97	27	8	103	61	84	102	108	28	73	16	717
3:15 PM	21	112	29	9	112	80	89	102	88	30	102	11	785
3:30 PM	21	97	20	6	138	77	111	100	93	32	84	15	794
3:45 PM	16	118	12	13	129	65	99	122	68	46	111	22	821
4:00 PM	19	119	12	9	140	83	128	139	111	30	115	13	918
4:15 PM	13	117	15	5	181	94	122	132	74	38	104	20	915
4:30 PM	23	141	20	6	129	95	128	149	78	27	105	15	916
4:45 PM	20	142	21	6	155	68	115	171	62	26	135	14	935
5:00 PM	55	129	16	17	127	103	112	181	77	35	120	7	979
5:15 PM	79	148	19	7	137	100	91	133	79	51	174	9	1027
5:30 PM	69	124	23	7	120	94	105	145	76	40	160	5	968
5:45 PM	85	164	23	14	79	61	91	119	46	41	201	5	929
TOTAL VOLUMES :	431	1508	237	107	1550	981	1275	1595	960	424	1484	152	10704
APPROACH %'s :	19.81%	69.30%	10.89%	4.06%	58.76%	37.19%	33.29%	41.64%	25.07%	20.58%	72.04%	7.38%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	223	543	79	37	539	365	423	630	294	152	589	35	3909
PEAK HR FACTOR :	0.859			0.952			0.910			0.829			0.952

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-038

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Broadway			Broadway			Ord St			Ord St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	0	1	2	0	0	1	0	0	1	0	
6:00 AM	7	46	2	4	108	7	1	6	10	1	4	2	198
6:15 AM	5	43	6	4	204	14	1	7	5	3	6	4	302
6:30 AM	11	45	7	6	260	12	0	10	12	4	11	6	384
6:45 AM	10	52	9	10	283	19	1	6	5	3	23	7	428
7:00 AM	13	62	10	8	338	30	2	13	3	10	18	2	509
7:15 AM	9	73	10	17	301	36	1	16	8	8	25	6	510
7:30 AM	19	95	14	8	309	28	1	13	6	16	29	10	548
7:45 AM	8	85	18	11	296	25	2	25	11	16	28	12	537
8:00 AM	18	76	11	12	301	39	0	16	8	12	32	11	536
8:15 AM	11	79	12	20	296	31	2	9	7	17	26	4	514
8:30 AM	9	60	6	13	301	19	0	9	9	13	29	9	477
8:45 AM	9	70	9	8	299	34	1	10	9	12	34	7	502
TOTAL VOLUMES :	129	786	114	121	3296	294	12	140	93	115	265	80	5445
APPROACH %'s :	12.54%	76.38%	11.08%	3.26%	88.82%	7.92%	4.90%	57.14%	37.96%	25.00%	57.61%	17.39%	
PEAK HR START TIME :	7:30 AM												TOTAL
PEAK HR VOL :	56	335	55	51	1202	123	5	63	32	61	115	37	2135
PEAK HR FACTOR :	0.871			0.977			0.658			0.951			0.974

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-038

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	PM												TOTAL
	Broadway			Broadway			Ord St			Ord St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	
3:00 PM	20	121	13	12	101	14	2	18	12	4	17	14	348
3:15 PM	15	166	17	9	122	14	7	13	13	3	20	12	411
3:30 PM	18	169	12	8	140	13	7	17	10	4	21	16	435
3:45 PM	23	198	15	10	142	11	6	22	12	10	24	12	485
4:00 PM	32	223	19	10	148	5	10	11	13	7	23	16	517
4:15 PM	27	256	16	6	138	8	19	15	18	8	20	25	556
4:30 PM	27	289	14	17	165	15	18	15	16	3	25	19	623
4:45 PM	19	249	12	11	158	11	15	15	11	9	27	23	560
5:00 PM	26	244	9	8	162	10	27	36	15	8	29	30	604
5:15 PM	19	229	17	16	151	11	34	21	17	5	39	31	590
5:30 PM	22	220	14	12	128	12	23	25	8	10	37	31	542
5:45 PM	21	222	19	18	164	12	29	23	12	12	35	35	602
TOTAL VOLUMES :	269	2586	177	137	1719	136	197	231	157	83	317	264	6273
APPROACH %'s :	8.87%	85.29%	5.84%	6.88%	86.30%	6.83%	33.68%	39.49%	26.84%	12.50%	47.74%	39.76%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	91	1011	52	52	636	47	94	87	59	25	120	103	2377
PEAK HR FACTOR :	0.874			0.933			0.769			0.827			0.954

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-018

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			N Main St_Bauchet St			N Main St_Bauchet St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	1	3	0	2	0.5	0.5	1	0	1	
6:00 AM	1	55	4	1	166	0	19	1	1	1	0	1	250
6:15 AM	0	75	4	2	256	0	23	4	4	0	0	2	370
6:30 AM	0	85	10	4	274	0	19	0	2	0	0	0	394
6:45 AM	0	89	8	9	292	0	34	6	4	1	0	2	445
7:00 AM	0	76	24	9	298	0	18	9	6	3	0	2	445
7:15 AM	0	105	14	11	315	0	42	9	3	2	0	3	504
7:30 AM	0	132	17	16	338	0	43	11	2	7	0	3	569
7:45 AM	0	107	24	24	319	0	39	10	3	3	0	3	532
8:00 AM	0	87	25	19	317	0	27	8	11	6	0	4	504
8:15 AM	0	98	25	19	317	0	42	8	6	4	0	6	525
8:30 AM	0	107	49	29	330	0	48	11	4	7	0	2	587
8:45 AM	0	117	31	34	289	0	48	17	4	10	0	19	569
TOTAL VOLUMES :	1	1133	235	177	3511	0	402	94	50	44	0	47	5694
APPROACH %'s :	0.07%	82.76%	17.17%	4.80%	95.20%	0.00%	73.63%	17.22%	9.16%	48.35%	0.00%	51.65%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	409	130	101	1253	0	165	44	25	27	0	31	2185
PEAK HR FACTOR :	0.864			0.943			0.848			0.500			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-018

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			N Main St_Bauchet St			N Main St_Bauchet St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	1	3	0	2	0.5	0.5	1	0	1	
3:00 PM	0	134	10	4	184	0	57	5	9	14	0	13	430
3:15 PM	0	171	9	4	208	0	71	0	11	17	0	7	498
3:30 PM	0	172	10	2	192	0	87	9	11	36	0	24	543
3:45 PM	0	198	9	3	225	0	108	5	11	37	0	18	614
4:00 PM	0	196	2	4	219	0	104	5	12	15	0	6	563
4:15 PM	0	192	9	4	175	0	155	6	6	26	0	25	598
4:30 PM	0	193	7	6	201	0	179	2	5	49	0	27	669
4:45 PM	0	229	4	2	177	0	221	1	5	14	0	14	667
5:00 PM	0	234	3	3	215	0	239	8	12	20	0	14	748
5:15 PM	0	276	3	3	216	0	177	6	5	17	0	16	719
5:30 PM	1	275	4	2	184	0	221	3	9	11	0	8	718
5:45 PM	0	290	1	6	191	0	223	4	10	12	0	11	748
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	1	2560	71	43	2387	0	1842	54	106	268	0	183	7515
	0.04%	97.26%	2.70%	1.77%	98.23%	0.00%	92.01%	2.70%	5.29%	59.42%	0.00%	40.58%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	1	1075	11	14	806	0	860	21	36	60	0	49	2933
PEAK HR FACTOR :	0.934			0.936			0.885			0.801			0.980

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-007

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Broadway			Broadway			Cesar E. Chavez Ave			Cesar E. Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	0	1	2	1	2	2.5	0.5	1	3	1	
6:00 AM	5	45	33	22	74	23	10	65	3	18	134	6	438
6:15 AM	15	39	25	15	136	53	10	62	7	48	223	12	645
6:30 AM	15	47	20	23	174	86	16	81	4	45	292	10	813
6:45 AM	16	48	10	17	204	69	21	84	11	29	342	10	861
7:00 AM	14	58	27	26	223	86	23	119	13	38	349	15	991
7:15 AM	25	83	26	22	206	82	25	136	14	22	370	5	1016
7:30 AM	33	85	22	35	200	103	40	154	21	21	330	13	1057
7:45 AM	39	74	23	26	204	87	39	189	28	30	358	7	1104
8:00 AM	22	82	19	29	216	84	28	168	27	33	350	9	1067
8:15 AM	20	72	26	36	190	89	23	162	14	42	336	20	1030
8:30 AM	32	65	25	36	197	83	14	153	19	34	323	14	995
8:45 AM	19	72	18	29	196	79	16	168	21	31	347	10	1006
TOTAL VOLUMES :	255	770	274	316	2220	924	265	1541	182	391	3754	131	11023
APPROACH %'s :	19.63%	59.28%	21.09%	9.13%	64.16%	26.71%	13.33%	77.52%	9.15%	9.14%	87.79%	3.06%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	114	313	90	126	810	363	130	673	90	126	1374	49	4258
PEAK HR FACTOR :	0.923			0.961			0.872			0.973			0.964

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-007

City: Los Angeles

TOTALS

Day: Thursday

Date: 11/19/2015

PM

NS/EW Streets:	Broadway			Broadway			Cesar E. Chavez Ave			Cesar E. Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 1	EL 2	ET 2.5	ER 0.5	WL 1	WT 3	WR 1	
3:00 PM	18	98	24	18	85	25	36	162	12	20	165	33	696
3:15 PM	27	128	29	21	79	31	54	208	17	13	148	25	780
3:30 PM	25	123	28	16	103	42	43	210	16	21	196	24	847
3:45 PM	32	145	23	21	94	55	65	206	11	15	204	50	921
4:00 PM	33	191	10	23	110	42	42	208	16	24	198	55	952
4:15 PM	32	200	28	21	116	33	53	225	10	23	190	36	967
4:30 PM	39	244	22	23	124	43	62	256	6	22	218	47	1106
4:45 PM	38	176	21	21	123	42	54	266	9	30	201	39	1020
5:00 PM	40	209	34	23	111	41	49	229	21	19	255	34	1065
5:15 PM	42	220	26	25	113	44	44	269	11	19	299	39	1151
5:30 PM	41	189	36	24	83	48	56	217	11	30	263	41	1039
5:45 PM	42	188	25	31	101	64	49	211	15	35	263	37	1061
TOTAL VOLUMES :	409	2111	306	267	1242	510	607	2667	155	271	2600	460	11605
APPROACH %'s :	14.47%	74.70%	10.83%	13.22%	61.52%	25.26%	17.70%	77.78%	4.52%	8.14%	78.05%	13.81%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	159	849	103	92	471	170	209	1020	47	90	973	159	4342
PEAK HR FACTOR :	0.911			0.964			0.970			0.856			0.943

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-008

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

AM

NS/EW Streets:	Spring St_New High St			Spring St_New High St			Cesar E. Chavez Ave			Cesar E. Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1	1	0	1	0	0	2	2	2	3	0	
6:00 AM	0	0	7	0	8	2	0	93	19	20	150	1	300
6:15 AM	1	2	6	1	17	3	0	72	24	30	273	4	433
6:30 AM	0	0	10	1	15	6	0	90	34	31	362	2	551
6:45 AM	0	2	9	0	38	20	0	83	25	42	379	2	600
7:00 AM	4	1	9	1	35	14	0	124	57	48	382	5	680
7:15 AM	0	1	9	1	72	56	0	134	53	30	331	1	688
7:30 AM	0	0	7	0	75	44	0	157	63	43	320	2	711
7:45 AM	1	2	7	1	98	42	0	172	64	44	360	1	792
8:00 AM	1	1	8	1	80	27	0	145	74	54	364	9	764
8:15 AM	0	2	7	1	79	51	0	141	76	48	339	5	749
8:30 AM	1	1	9	1	87	39	0	136	79	46	328	11	738
8:45 AM	0	1	8	1	75	32	0	133	87	53	352	7	749
TOTAL VOLUMES :	8	13	96	9	679	336	1	1480	655	489	3940	50	7756
APPROACH %'s :	6.84%	11.11%	82.05%	0.88%	66.31%	32.81%	0.05%	69.29%	30.66%	10.92%	87.97%	1.12%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	3	6	31	4	344	159	0	594	293	192	1391	26	3043
PEAK HR FACTOR :	0.909			0.899			0.940			0.942			0.961

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-008

City: Los Angeles

TOTALS

Day: Thursday

Date: 11/19/2015

PM

NS/EW Streets:	Spring St_New High St			Spring St_New High St			Cesar E. Chavez Ave			Cesar E. Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 1	NR 1	SL 0	ST 1	SR 0	EL 0	ET 2	ER 2	WL 2	WT 3	WR 0	
3:00 PM	2	1	6	4	18	11	1	176	20	34	195	6	474
3:15 PM	2	2	8	4	14	9	1	215	34	36	165	12	502
3:30 PM	4	1	8	1	8	9	0	224	35	32	229	10	561
3:45 PM	1	0	10	2	18	12	1	217	25	40	255	12	593
4:00 PM	1	0	5	1	20	10	1	234	18	24	266	17	597
4:15 PM	4	1	11	4	24	10	0	240	35	30	224	10	593
4:30 PM	1	1	11	9	19	10	0	271	36	42	283	16	699
4:45 PM	0	3	8	7	24	13	1	270	38	27	260	9	660
5:00 PM	1	1	12	3	16	20	1	252	30	39	302	16	693
5:15 PM	3	4	10	5	14	23	0	279	44	26	335	20	763
5:30 PM	1	1	10	3	19	19	1	231	32	41	322	16	696
5:45 PM	3	2	10	2	16	7	0	236	33	29	329	25	692
TOTAL VOLUMES :	23	17	109	45	210	153	7	2845	380	400	3165	169	7523
APPROACH %'s :	15.44%	11.41%	73.15%	11.03%	51.47%	37.50%	0.22%	88.03%	11.76%	10.71%	84.76%	4.53%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	8	8	42	13	65	69	2	998	139	135	1288	77	2844
PEAK HR FACTOR :	0.853			0.875			0.882			0.979			0.932

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-019

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Main St			N Main St			West Cesar E Chavez Ave			West Cesar E Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1.5	2.5	0	0	0	0	1	3	0	0	3	0	
6:00 AM	8	17	9	0	0	0	6	71	0	0	190	6	307
6:15 AM	11	17	18	0	0	0	4	89	0	0	279	5	423
6:30 AM	13	22	15	0	0	0	4	93	0	0	390	3	540
6:45 AM	14	30	27	0	0	0	7	99	0	0	395	3	575
7:00 AM	13	19	16	0	0	0	7	104	0	0	388	4	551
7:15 AM	29	30	31	0	0	0	5	122	0	0	368	4	589
7:30 AM	21	35	20	0	0	0	8	149	0	0	357	1	591
7:45 AM	30	36	25	0	0	0	13	149	0	1	349	4	607
8:00 AM	24	39	25	0	0	0	10	151	0	0	351	4	604
8:15 AM	26	41	22	0	0	0	15	150	0	0	350	4	608
8:30 AM	27	37	26	0	0	0	18	137	0	0	368	5	618
8:45 AM	19	41	22	0	0	0	13	140	0	0	377	1	613
TOTAL VOLUMES :	235	364	256	0	0	0	110	1454	0	1	4162	44	6626
APPROACH %'s :	27.49%	42.57%	29.94%	#DIV/0!	#DIV/0!	#DIV/0!	7.03%	92.97%	0.00%	0.02%	98.93%	1.05%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	96	158	95	0	0	0	56	578	0	0	1446	14	2443
PEAK HR FACTOR :	0.969			0.000			0.961			0.966			0.988

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIIP-019

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Main St			N Main St			West Cesar E Chavez Ave			West Cesar E Chavez Ave			TOTAL	
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND				
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR		
	1.5	2.5	0	0	0	0	1	3	0	0	3	0		
3:00 PM	41	71	50	0	0	0	13	174	0	0	191	5	545	
3:15 PM	52	61	51	0	0	0	17	205	0	0	201	2	589	
3:30 PM	54	90	45	0	0	0	17	215	0	0	215	4	640	
3:45 PM	70	98	45	0	0	0	18	244	0	0	253	4	732	
4:00 PM	68	96	66	0	0	0	16	236	0	1	229	6	718	
4:15 PM	53	129	45	0	0	0	18	210	0	1	218	2	676	
4:30 PM	89	138	45	0	0	0	11	220	0	1	250	9	763	
4:45 PM	104	201	60	0	0	0	24	242	0	1	259	5	896	
5:00 PM	131	201	59	0	0	0	29	240	0	0	264	4	928	
5:15 PM	87	219	61	0	0	0	25	252	0	0	286	4	934	
5:30 PM	82	168	53	0	0	0	25	234	0	0	268	7	837	
5:45 PM	109	206	71	0	0	0	18	208	0	0	275	2	889	
TOTAL VOLUMES :	940	1678	651	0	0	0	231	2680	0	4	2909	54	9147	
APPROACH %'s :	28.75%	51.33%	19.91%	#DIV/0!	#DIV/0!	#DIV/0!	7.94%	92.06%	0.00%	0.13%	98.05%	1.82%		
PEAK HR START TIME :	445 PM												TOTAL	
PEAK HR VOL :	404	789	233	0	0	0	103	968	0	1	1077	20	3595	
PEAK HR FACTOR :	0.912					0.000			0.967			0.947		0.962

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-011

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			East Cesar E Chavez Ave			East Cesar E Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	3	0	1	2	0	1	2	1	1	3	0	
6:00 AM	19	36	16	8	142	25	13	60	14	27	160	8	528
6:15 AM	18	61	20	11	210	34	12	78	9	25	245	5	728
6:30 AM	24	68	19	31	205	34	15	80	12	28	326	10	852
6:45 AM	12	66	16	20	233	45	17	89	24	38	346	16	922
7:00 AM	30	70	22	28	239	33	14	96	15	35	322	18	922
7:15 AM	29	104	15	24	250	24	11	123	17	27	309	6	939
7:30 AM	25	121	24	26	306	23	10	127	26	23	319	13	1043
7:45 AM	27	103	26	19	296	29	16	129	34	36	307	14	1036
8:00 AM	28	81	25	16	266	32	15	127	29	29	291	16	955
8:15 AM	23	102	17	21	270	35	11	133	36	23	288	15	974
8:30 AM	34	127	28	12	274	39	16	120	21	36	299	16	1022
8:45 AM	36	108	26	21	256	30	16	114	24	45	302	22	1000
TOTAL VOLUMES :	305	1047	254	237	2947	383	166	1276	261	372	3514	159	10921
APPROACH %'s :	18.99%	65.19%	15.82%	6.64%	82.62%	10.74%	9.75%	74.93%	15.33%	9.20%	86.87%	3.93%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	103	407	92	82	1138	119	52	516	125	111	1205	58	4008
PEAK HR FACTOR :	0.885			0.943			0.963			0.962			0.961

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-011

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			East Cesar E Chavez Ave			East Cesar E Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 3	WR 0	
3:00 PM	33	120	35	24	169	32	14	151	54	25	130	18	805
3:15 PM	23	145	47	24	163	35	20	171	58	29	146	20	881
3:30 PM	28	145	36	38	164	35	24	198	44	28	151	20	911
3:45 PM	33	168	35	28	214	37	18	216	47	30	177	12	1015
4:00 PM	30	154	35	32	180	23	25	234	38	25	185	28	989
4:15 PM	21	157	35	24	153	27	21	202	46	25	174	29	914
4:30 PM	18	129	28	26	186	34	21	182	58	28	208	51	969
4:45 PM	29	148	30	33	147	23	26	229	43	23	213	46	990
5:00 PM	34	181	27	37	167	37	17	248	39	29	198	39	1053
5:15 PM	13	209	34	30	164	33	26	239	50	35	232	37	1102
5:30 PM	20	206	30	22	153	24	38	204	37	36	228	38	1036
5:45 PM	18	234	20	25	156	17	31	199	45	39	238	28	1050
TOTAL VOLUMES :	300	1996	392	343	2016	357	281	2473	559	352	2280	366	11715
APPROACH %'s :	11.16%	74.26%	14.58%	12.63%	74.23%	13.14%	8.48%	74.65%	16.87%	11.74%	76.05%	12.21%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	85	830	111	114	640	111	112	890	171	139	896	142	4241
PEAK HR FACTOR :	0.943			0.897			0.931			0.965			0.962

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-011

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Union Station Dr			Union Station Dr			Cesar E. Chavez Ave			Cesar E. Chavez Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	0	1	0	0	0	0	2	0	1	2	0	
6:00 AM	10	0	12	0	0	0	0	83	15	18	172	0	310
6:15 AM	14	0	14	0	0	0	0	82	21	19	312	0	462
6:30 AM	16	0	11	0	0	0	0	93	12	17	358	0	507
6:45 AM	14	0	12	0	0	0	0	93	13	25	405	0	562
7:00 AM	4	0	13	0	0	0	0	139	23	19	379	0	577
7:15 AM	8	0	23	0	0	0	0	143	25	20	334	0	553
7:30 AM	13	0	12	0	0	0	0	176	22	18	312	0	553
7:45 AM	16	0	11	0	0	0	0	174	15	25	326	0	567
8:00 AM	11	0	17	0	0	0	0	153	13	16	356	0	566
8:15 AM	16	0	22	0	0	0	0	155	7	22	334	0	556
8:30 AM	13	0	18	0	0	0	0	156	21	10	305	0	523
8:45 AM	20	0	13	0	0	0	0	151	29	21	321	0	555
	48	0	63	0	0	0	0	646	75	79	1328	0	
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	155	0	178	0	0	0	0	1598	216	230	3914	0	6291
APPROACH %'s :	46.55%	0.00%	53.45%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	88.09%	11.91%	5.55%	94.45%	0.00%	
PEAK HR START TIME :	700 AM												TOTAL
PEAK HR VOL :	41	0	59	0	0	0	0	632	85	82	1351	0	2250
PEAK HR FACTOR :	0.806			0.000			0.905			0.900			0.975

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-011

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Union Station Dr			Union Station Dr			Cesar E. Chavez Ave			Cesar E. Chavez Ave			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 0	NR 1	SL 0	ST 0	SR 0	EL 0	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	15	0	24	0	0	0	0	228	13	6	158	0	444
3:15 PM	11	0	22	0	0	0	0	226	18	8	187	0	472
3:30 PM	15	0	19	0	0	0	0	243	13	7	201	0	498
3:45 PM	23	0	24	0	0	0	0	254	14	6	204	0	525
4:00 PM	25	0	24	0	0	0	0	254	12	11	225	0	551
4:15 PM	24	0	32	0	0	0	0	246	19	15	221	0	557
4:30 PM	22	0	25	0	0	0	0	285	17	9	225	0	583
4:45 PM	28	0	16	0	0	0	0	280	18	20	237	0	599
5:00 PM	21	0	26	0	0	0	0	268	20	8	270	0	613
5:15 PM	30	0	23	0	0	0	0	289	15	12	285	0	654
5:30 PM	22	0	18	0	0	0	0	258	17	15	279	0	609
5:45 PM	22	0	18	0	0	0	0	239	18	13	283	0	593
	95	0	99	0	0	0	0	1079	74	52	953	0	
TOTAL VOLUMES :	258	0	271	0	0	0	0	3070	194	130	2775	0	6698
APPROACH %'s :	48.77%	0.00%	51.23%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	94.06%	5.94%	4.48%	95.52%	0.00%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	101	0	83	0	0	0	0	1095	70	55	1071	0	2475
PEAK HR FACTOR :	0.868			0.000			0.958			0.948			0.946

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-110

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			N Los Angeles St (North)			N Los Angeles St (North)			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	4	0	0	0	0	1	1	1	
6:00 AM	0	64	0	0	170	16	0	0	0	22	5	6	283
6:15 AM	0	90	0	0	206	28	0	0	0	27	5	12	368
6:30 AM	0	102	0	0	211	44	0	0	0	22	12	11	402
6:45 AM	0	86	0	0	232	57	0	0	0	12	17	7	411
7:00 AM	0	112	0	0	214	66	0	0	0	22	13	6	433
7:15 AM	0	142	0	0	219	71	0	0	0	21	11	9	473
7:30 AM	0	166	0	0	270	78	0	0	0	26	14	9	563
7:45 AM	0	138	0	0	302	73	0	0	0	22	15	11	561
8:00 AM	0	122	0	0	235	77	0	0	0	35	10	14	493
8:15 AM	0	131	0	0	269	75	0	0	0	31	23	11	540
8:30 AM	1	175	0	0	241	72	0	0	0	21	18	10	538
8:45 AM	1	169	0	0	259	79	0	0	0	29	17	10	564
TOTAL VOLUMES :	2	1497	0	0	2828	736	0	0	0	290	160	116	5629
APPROACH %'s :	0.13%	99.87%	0.00%	0.00%	79.35%	20.65%	#DIV/0!	#DIV/0!	#DIV/0!	51.24%	28.27%	20.49%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	0	557	0	0	1076	303	0	0	0	114	62	45	2157
PEAK HR FACTOR :	0.839			0.919			0.000			0.850			0.958

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIIP-110

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			N Los Angeles St (North)			N Los Angeles St (North)			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	4	0	0	0	0	1	1	1	
3:00 PM	2	175	0	0	219	19	0	0	0	27	15	12	469
3:15 PM	1	190	0	0	230	26	0	0	0	37	11	15	510
3:30 PM	0	193	0	0	215	28	0	0	0	38	12	11	497
3:45 PM	0	224	0	0	260	25	0	0	0	26	11	19	565
4:00 PM	1	190	0	0	232	24	0	0	0	41	17	19	524
4:15 PM	1	212	0	0	199	20	0	0	0	34	9	12	487
4:30 PM	2	157	0	0	236	26	0	0	0	30	11	16	478
4:45 PM	4	194	0	0	195	25	0	0	0	50	16	18	502
5:00 PM	0	232	0	0	210	30	0	0	0	36	14	19	541
5:15 PM	0	237	0	0	217	24	0	0	0	42	11	18	549
5:30 PM	0	244	0	0	190	35	0	0	0	37	13	16	535
5:45 PM	1	251	0	0	207	47	0	0	0	37	13	27	583
TOTAL VOLUMES :	12	2499	0	0	2610	329	0	0	0	435	153	202	6240
APPROACH %'s :	0.48%	99.52%	0.00%	0.00%	88.81%	11.19%	#DIV/0!	#DIV/0!	#DIV/0!	55.06%	19.37%	25.57%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	1	964	0	0	824	136	0	0	0	152	51	80	2208
PEAK HR FACTOR :	0.957			0.945			0.000			0.919			0.947

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-010

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			N Los Angeles St (South)			N Los Angeles St (South)			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	1	3	0	1.5	1	0.5	0	0	0	
6:00 AM	0	52	28	12	180	0	9	11	0	0	0	0	292
6:15 AM	0	83	51	13	220	0	8	7	1	0	0	0	383
6:30 AM	0	95	24	23	211	0	6	16	2	0	0	0	377
6:45 AM	0	78	26	16	228	0	9	7	1	0	0	0	365
7:00 AM	0	101	31	12	222	0	13	13	0	0	0	0	392
7:15 AM	0	118	26	17	224	0	22	9	2	0	0	0	418
7:30 AM	0	139	40	14	280	0	25	13	0	0	0	0	511
7:45 AM	0	119	18	16	307	0	25	14	2	0	0	0	501
8:00 AM	0	107	28	14	261	0	15	16	4	0	0	0	445
8:15 AM	0	109	32	19	277	0	17	12	2	0	0	0	468
8:30 AM	0	156	42	19	241	0	24	18	7	0	0	0	507
8:45 AM	0	143	33	18	272	0	24	19	8	0	0	0	517
TOTAL VOLUMES :	0	1300	379	193	2923	0	197	155	29	0	0	0	5176
APPROACH %'s :	0.00%	77.43%	22.57%	6.19%	93.81%	0.00%	51.71%	40.68%	7.61%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	515	135	70	1051	0	80	65	21	0	0	0	1937
PEAK HR FACTOR :	0.821			0.947			0.814			0.000			0.937

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-010

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			N Los Angeles St (South)			N Los Angeles St (South)			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	1	3	0	1.5	1	0.5	0	0	0	
3:00 PM	0	136	18	12	238	0	36	19	11	0	0	0	470
3:15 PM	0	142	24	11	252	0	47	13	15	0	0	0	504
3:30 PM	0	142	24	24	232	0	54	27	21	0	0	0	524
3:45 PM	0	165	17	20	262	0	55	14	18	0	0	0	551
4:00 PM	0	114	17	19	258	0	79	20	20	0	0	0	527
4:15 PM	0	130	18	13	222	0	84	20	24	0	0	0	511
4:30 PM	0	79	19	23	242	0	81	26	25	0	0	0	495
4:45 PM	0	99	20	22	226	0	101	21	24	0	0	0	513
5:00 PM	0	124	19	11	240	0	105	21	27	0	0	0	547
5:15 PM	0	120	17	17	241	0	120	18	19	0	0	0	552
5:30 PM	0	98	19	10	217	0	149	20	19	0	0	0	532
5:45 PM	0	95	23	17	228	0	152	27	13	0	0	0	555
TOTAL VOLUMES :	0	1444	235	199	2858	0	1063	246	236	0	0	0	6281
APPROACH %'s :	0.00%	86.00%	14.00%	6.51%	93.49%	0.00%	68.80%	15.92%	15.28%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	0	437	78	55	926	0	526	86	78	0	0	0	2186
PEAK HR FACTOR :	0.900			0.951			0.898			0.000			0.985

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-034

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Broadway			Broadway			Arcadia St			Arcadia St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	0	0	0	0	1.5	0	1.5	
6:00 AM	0	67	0	0	78	0	0	0	0	102	0	76	323
6:15 AM	0	59	0	0	113	0	0	0	0	110	0	81	363
6:30 AM	0	66	0	0	153	0	0	0	0	101	0	129	449
6:45 AM	0	64	0	0	167	0	0	0	0	113	0	149	493
7:00 AM	0	84	0	0	179	0	0	0	0	101	0	172	536
7:15 AM	0	79	0	0	173	0	0	0	0	96	0	202	550
7:30 AM	0	114	0	0	181	0	0	0	0	92	0	205	592
7:45 AM	0	115	0	0	183	0	0	0	0	102	0	180	580
8:00 AM	0	95	0	0	183	0	0	0	0	86	0	181	545
8:15 AM	0	95	0	0	164	0	0	0	0	75	0	208	542
8:30 AM	0	95	0	0	184	0	0	0	0	85	0	198	562
8:45 AM	0	97	0	1	176	0	0	0	0	82	0	182	538
TOTAL VOLUMES :	0	1030	0	1	1934	0	0	0	0	1145	0	1963	6073
APPROACH %'s :	0.00%	100.00%	0.00%	0.05%	99.95%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	36.84%	0.00%	63.16%	
PEAK HR START TIME :	7:15 AM												TOTAL
PEAK HR VOL :	0	403	0	0	720	0	0	0	0	376	0	768	2267
PEAK HR FACTOR :	0.876			0.984			0.000			0.960			0.957

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-034

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Broadway			Broadway			Arcadia St			Arcadia St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	0	0	0	0	1.5	0	1.5	
3:00 PM	0	141	0	0	97	0	0	0	0	27	0	82	347
3:15 PM	0	152	0	0	77	0	0	0	0	26	0	75	330
3:30 PM	0	147	0	0	109	0	0	0	0	42	0	82	380
3:45 PM	0	184	0	0	96	0	0	0	0	44	0	70	394
4:00 PM	0	182	0	0	100	0	0	0	0	49	0	99	430
4:15 PM	0	198	0	0	89	0	0	0	0	30	0	110	427
4:30 PM	0	237	0	0	128	0	0	0	0	40	0	101	506
4:45 PM	0	221	0	0	119	0	0	0	0	34	0	104	478
5:00 PM	0	220	0	0	104	0	0	0	0	55	0	126	505
5:15 PM	0	234	0	1	130	0	0	0	0	44	0	144	553
5:30 PM	0	250	0	0	106	0	0	0	0	44	0	113	513
5:45 PM	0	247	0	0	111	0	0	0	0	56	0	147	561
TOTAL VOLUMES :	0	2413	0	1	1266	0	0	0	0	491	0	1253	5424
APPROACH %'s :	0.00%	100.00%	0.00%	0.08%	99.92%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	28.15%	0.00%	71.85%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	0	951	0	1	451	0	0	0	0	199	0	530	2132
PEAK HR FACTOR :	0.951			0.863			0.000			0.898		0.950	

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-035

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Spring St			Spring St			Arcadia St			Arcadia St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	0	0	0	0	1.5	1.5	0	
6:00 AM	0	7	0	0	64	1	0	0	0	76	188	0	336
6:15 AM	0	7	0	0	75	7	0	0	0	123	190	1	403
6:30 AM	0	9	0	0	95	5	0	0	0	105	215	1	430
6:45 AM	0	7	0	0	112	0	0	0	0	112	263	1	495
7:00 AM	0	11	0	0	159	1	0	0	0	118	269	0	558
7:15 AM	0	10	0	0	157	7	0	0	0	118	293	1	586
7:30 AM	0	10	0	0	162	5	0	0	0	112	289	1	579
7:45 AM	1	11	0	0	183	3	0	0	0	129	290	3	620
8:00 AM	0	7	0	0	207	1	0	0	0	121	267	0	603
8:15 AM	0	12	0	0	216	3	0	0	0	135	277	0	643
8:30 AM	0	5	0	0	208	8	0	0	0	130	269	1	621
8:45 AM	0	10	0	0	205	3	0	0	0	143	264	1	626
TOTAL VOLUMES :	1	106	0	0	1843	44	0	0	0	1422	3074	10	6500
APPROACH %'s :	0.93%	99.07%	0.00%	0.00%	97.67%	2.33%	#DIV/0!	#DIV/0!	#DIV/0!	31.56%	68.22%	0.22%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	34	0	0	836	15	0	0	0	529	1077	2	2493
PEAK HR FACTOR :	0.708			0.971			0.000			0.976			0.969

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-035

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Spring St			Spring St			Arcadia St			Arcadia St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	0	0	0	0	1.5	1.5	0	
3:00 PM	1	9	0	0	94	10	0	0	0	33	101	2	250
3:15 PM	0	12	0	0	97	7	0	0	0	29	95	2	242
3:30 PM	1	12	0	0	115	6	0	0	0	33	112	2	281
3:45 PM	0	8	0	0	93	1	0	0	0	53	111	1	267
4:00 PM	0	8	0	0	99	8	0	0	0	41	146	3	305
4:15 PM	0	12	0	0	89	6	0	0	0	53	135	0	295
4:30 PM	0	8	0	0	102	12	0	0	0	29	127	2	280
4:45 PM	0	11	0	0	98	6	0	0	0	53	133	1	302
5:00 PM	0	14	0	0	96	2	0	0	0	46	185	3	346
5:15 PM	0	10	0	0	98	9	0	0	0	42	171	3	333
5:30 PM	0	9	0	0	93	3	0	0	0	42	158	2	307
5:45 PM	1	9	0	0	92	12	0	0	0	40	190	1	345
TOTAL VOLUMES :	3	122	0	0	1166	82	0	0	0	494	1664	22	3553
APPROACH %'s :	2.40%	97.60%	0.00%	0.00%	93.43%	6.57%	#DIV/0!	#DIV/0!	#DIV/0!	22.66%	76.33%	1.01%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	1	42	0	0	379	26	0	0	0	170	704	9	1331
PEAK HR FACTOR :	0.768			0.946			0.000			0.943			0.962

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-027

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Main St			Main St			Arcadia St			Arcadia St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	3	0	0	0	0	0	3	0	
6:00 AM	4	40	0	0	0	0	0	0	0	0	253	4	301
6:15 AM	1	36	0	0	0	0	0	0	0	0	319	6	362
6:30 AM	5	32	0	0	0	0	0	0	0	0	318	3	358
6:45 AM	7	57	0	0	0	0	0	0	0	0	367	15	446
7:00 AM	9	64	0	0	0	0	0	0	0	0	385	11	469
7:15 AM	11	73	0	0	0	0	0	0	0	0	387	11	482
7:30 AM	14	79	0	0	0	0	0	0	0	0	394	12	499
7:45 AM	17	77	0	0	0	0	0	0	0	0	414	11	519
8:00 AM	20	66	0	0	0	0	0	0	0	0	364	10	460
8:15 AM	25	85	0	0	0	0	0	0	0	0	389	11	510
8:30 AM	22	106	0	0	0	0	0	0	0	0	376	10	514
8:45 AM	23	91	0	0	0	0	0	0	0	0	385	11	510
TOTAL VOLUMES :	158	806	0	0	0	0	0	0	0	0	4351	115	5430
APPROACH %'s :	16.39%	83.61%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	97.42%	2.58%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	84	334	0	0	0	0	0	0	0	0	1543	42	2003
PEAK HR FACTOR :	0.816			0.000			0.000			0.932			0.965

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-027

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	PM												TOTAL
	Main St			Main St			Arcadia St			Arcadia St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	3	0	0	0	0	0	3	0	
3:00 PM	40	124	0	0	0	0	0	0	0	0	90	16	270
3:15 PM	35	135	0	0	0	0	0	0	0	0	94	21	285
3:30 PM	30	177	0	0	0	0	0	0	0	0	116	10	333
3:45 PM	25	173	0	0	0	0	0	0	0	0	141	11	350
4:00 PM	41	226	0	0	0	0	0	0	0	0	132	18	417
4:15 PM	50	241	0	0	0	0	0	0	0	0	132	18	441
4:30 PM	49	344	0	0	0	0	0	0	0	0	106	22	521
4:45 PM	39	285	0	0	0	0	0	0	0	0	145	12	481
5:00 PM	68	316	0	0	0	0	0	0	0	0	155	28	567
5:15 PM	68	315	0	0	0	0	0	0	0	0	148	11	542
5:30 PM	55	326	0	0	0	0	0	0	0	0	146	16	543
5:45 PM	69	294	0	0	0	0	0	0	0	0	168	22	553
TOTAL VOLUMES :	569	2956	0	0	0	0	0	0	0	0	1573	205	5303
APPROACH %'s :	16.14%	83.86%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	88.47%	11.53%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	260	1251	0	0	0	0	0	0	0	0	617	77	2205
PEAK HR FACTOR :	0.984			0.000			0.000			0.913			0.972

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-021

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Los Angeles St			N Los Angeles St			Arcadia St			Arcadia St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	0	0	2	0	0	0	0	0	3	0	
6:00 AM	3	24	0	0	17	4	0	0	0	73	283	5	409
6:15 AM	2	34	0	0	29	4	0	0	0	59	314	10	452
6:30 AM	8	40	0	0	49	2	0	0	0	65	319	13	496
6:45 AM	6	34	0	0	71	3	0	0	0	71	365	13	563
7:00 AM	6	40	0	0	76	3	0	0	0	72	364	14	575
7:15 AM	16	45	0	0	80	7	0	0	0	68	386	7	609
7:30 AM	19	56	0	0	80	8	0	0	0	62	405	8	638
7:45 AM	25	70	0	0	89	7	0	0	0	86	364	14	655
8:00 AM	14	56	0	0	79	10	0	0	0	75	371	14	619
8:15 AM	24	59	0	0	76	12	0	0	0	62	373	11	617
8:30 AM	21	70	0	0	83	11	0	0	0	65	391	18	659
8:45 AM	15	75	0	0	82	7	0	0	0	72	373	12	636
TOTAL VOLUMES :	159	603	0	0	811	78	0	0	0	830	4308	139	6928
APPROACH %'s :	20.87%	79.13%	0.00%	0.00%	91.23%	8.77%	#DIV/0!	#DIV/0!	#DIV/0!	15.73%	81.64%	2.63%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	84	255	0	0	327	40	0	0	0	288	1499	57	2550
PEAK HR FACTOR :	0.892			0.956			0.000			0.973			0.967

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-021

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Los Angeles St			N Los Angeles St			Arcadia St			Arcadia St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 2	SR 0	EL 0	ET 0	ER 0	WL 0	WT 3	WR 0	
3:00 PM	12	130	0	0	28	9	0	0	0	21	101	6	307
3:15 PM	18	135	0	0	28	9	0	0	0	24	118	3	335
3:30 PM	11	167	0	0	23	12	0	0	0	19	127	8	367
3:45 PM	16	165	0	0	30	6	0	0	0	23	75	5	320
4:00 PM	23	194	0	0	27	10	0	0	0	27	79	6	366
4:15 PM	34	213	0	0	25	3	0	0	0	20	75	5	375
4:30 PM	28	190	0	0	31	7	0	0	0	21	104	5	386
4:45 PM	22	237	0	0	30	9	0	0	0	34	115	4	451
5:00 PM	40	219	0	0	40	5	0	0	0	22	133	5	464
5:15 PM	37	265	0	0	29	6	0	0	0	25	96	7	465
5:30 PM	42	285	0	0	33	16	0	0	0	31	127	5	539
5:45 PM	64	274	0	0	47	11	0	0	0	23	160	5	584
TOTAL VOLUMES :	347	2474	0	0	371	103	0	0	0	290	1310	64	4959
APPROACH %'s :	12.30%	87.70%	0.00%	0.00%	78.27%	21.73%	#DIV/0!	#DIV/0!	#DIV/0!	17.43%	78.73%	3.85%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	183	1043	0	0	149	38	0	0	0	101	516	22	2052
PEAK HR FACTOR :	0.907		0.806			0.000			0.850			0.878	

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-009

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			Arcadia St/El Monte Busway			Arcadia St/El Monte Busway			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	3	0	0	3	0	0	0	0	1.5	2	0.5	
6:00 AM	3	113	0	0	97	3	0	0	0	81	347	38	682
6:15 AM	10	156	0	0	128	7	0	0	0	81	363	52	797
6:30 AM	13	172	0	0	131	10	0	0	0	72	382	45	825
6:45 AM	17	162	0	0	153	7	0	0	0	106	431	38	914
7:00 AM	40	198	0	0	155	12	0	0	0	100	401	53	959
7:15 AM	22	184	0	0	159	9	0	0	0	90	417	52	933
7:30 AM	30	207	0	0	198	17	0	0	0	98	424	62	1036
7:45 AM	17	188	0	0	229	22	0	0	0	88	433	41	1018
8:00 AM	26	175	0	0	206	11	0	0	0	107	420	55	1000
8:15 AM	30	169	0	0	191	23	0	0	0	130	397	47	987
8:30 AM	30	215	0	0	203	12	0	0	0	102	427	54	1043
8:45 AM	28	196	0	0	195	21	0	0	0	110	409	48	1007
TOTAL VOLUMES :	266	2135	0	0	2045	154	0	0	0	1165	4851	585	11201
APPROACH %'s :	11.08%	88.92%	0.00%	0.00%	93.00%	7.00%	#DIV/0!	#DIV/0!	#DIV/0!	17.65%	73.49%	8.86%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	103	747	0	0	829	68	0	0	0	427	1677	197	4048
PEAK HR FACTOR :	0.867		0.893			0.000			0.987			0.970	

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIIP-009

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			Arcadia St/El Monte Busway			Arcadia St/El Monte Busway			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 1.5	WT 2	WR 0.5	
3:00 PM	9	367	0	0	135	5	0	0	0	48	115	33	712
3:15 PM	4	398	0	0	162	3	0	0	0	61	137	35	800
3:30 PM	8	390	0	0	148	13	0	0	0	64	136	51	810
3:45 PM	8	419	0	0	151	9	0	0	0	62	90	43	782
4:00 PM	5	395	0	0	204	11	0	0	0	55	90	43	803
4:15 PM	3	405	0	0	164	5	0	0	0	61	99	46	783
4:30 PM	6	399	0	0	184	9	0	0	0	74	112	50	834
4:45 PM	1	405	0	1	156	5	0	0	0	66	146	50	830
5:00 PM	1	417	0	0	183	7	0	0	0	53	149	45	855
5:15 PM	1	380	0	2	148	5	0	0	0	53	128	37	754
5:30 PM	5	398	0	0	147	13	0	0	0	45	151	47	806
5:45 PM	6	372	0	0	141	12	0	0	0	61	165	50	807
TOTAL VOLUMES :	57	4745	0	3	1923	97	0	0	0	703	1518	530	9576
APPROACH %'s :	1.19%	98.81%	0.00%	0.15%	95.06%	4.79%	#DIV/0!	#DIV/0!	#DIV/0!	25.55%	55.18%	19.27%	
PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	11	1626	0	1	687	26	0	0	0	254	506	191	3302
PEAK HR FACTOR :	0.979			0.925			0.000			0.907			0.965

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-017

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

AM

NS/EW Streets:	Alameda St			Alameda St			Express Lanes Entrance_Exit			Express Lanes Entrance_Exit			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1.5	1.5	1	3	0	0	0	0	0	0	0	
6:00 AM	0	149	8	2	93	0	0	0	0	0	0	0	252
6:15 AM	0	180	7	1	104	0	0	0	0	0	0	0	292
6:30 AM	0	216	11	1	130	0	0	0	0	0	0	0	358
6:45 AM	0	192	5	1	185	0	0	0	0	0	0	0	383
7:00 AM	0	225	10	8	207	0	0	0	0	0	0	0	450
7:15 AM	1	233	14	1	194	0	0	0	0	0	0	0	443
7:30 AM	0	255	9	7	210	0	0	0	0	0	0	0	481
7:45 AM	0	240	13	1	238	0	0	0	0	0	0	0	492
8:00 AM	0	242	15	3	196	0	0	0	0	0	0	0	456
8:15 AM	0	247	12	2	225	0	0	0	0	0	0	0	486
8:30 AM	0	236	10	3	220	0	0	0	0	0	0	0	469
8:45 AM	0	255	17	2	212	0	0	0	0	0	0	0	486
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	1	2670	131	32	2214	0	0	0	0	0	0	0	5048
	0.04%	95.29%	4.68%	1.42%	98.58%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	0	984	49	13	869	0	0	0	0	0	0	0	1915
PEAK HR FACTOR :	0.978		0.923			0.000			0.000			0.973	

CONTROL : Unsignalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-017

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Alameda St			Alameda St			Express Lanes Entrance_Exit			Express Lanes Entrance_Exit			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1.5	1.5	1	3	0	0	0	0	0	0	0	
3:00 PM	0	212	175	32	176	0	0	0	0	0	0	0	595
3:15 PM	0	202	180	46	137	0	0	0	0	0	0	0	565
3:30 PM	0	224	254	47	160	0	0	0	0	0	0	0	685
3:45 PM	0	207	256	42	173	0	0	0	0	0	0	0	678
4:00 PM	0	201	247	28	140	0	0	0	0	0	0	0	616
4:15 PM	0	187	265	36	152	0	0	0	0	0	0	0	640
4:30 PM	0	184	267	49	139	0	0	0	0	0	0	0	639
4:45 PM	0	169	292	37	126	0	0	0	0	0	0	0	624
5:00 PM	0	142	277	44	131	0	0	0	0	0	0	0	594
5:15 PM	0	157	267	47	178	0	0	0	0	0	0	0	649
5:30 PM	0	161	276	27	130	0	0	0	0	0	0	0	594
5:45 PM	0	159	281	46	132	0	0	0	0	0	0	0	618
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	2205	3037	481	1774	0	0	0	0	0	0	0	7497
	0.00%	42.06%	57.94%	21.33%	78.67%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	330 PM												TOTAL
PEAK HR VOL :	0	819	1022	153	625	0	0	0	0	0	0	0	2619
PEAK HR FACTOR :		0.963			0.905			0.000			0.000		0.956

CONTROL : Unsignalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-014

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Vignes St			N Vignes St			Ramirez St			Ramirez St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	3	2	1	2	2	0	1.5	1	0.5	1	1	1	
6:00 AM	7	33	56	37	36	39	37	20	8	15	30	53	371
6:15 AM	9	28	38	66	26	39	27	12	14	13	16	52	340
6:30 AM	12	25	32	63	20	41	36	19	18	38	28	55	387
6:45 AM	6	27	32	69	32	46	23	11	16	20	23	57	362
7:00 AM	12	23	32	76	26	56	36	17	15	21	29	94	437
7:15 AM	9	23	21	68	33	53	33	18	16	19	41	83	417
7:30 AM	10	41	16	86	43	49	29	16	19	26	28	101	464
7:45 AM	11	30	13	109	38	58	28	14	22	15	29	69	436
8:00 AM	12	36	15	78	30	59	27	16	15	30	31	78	427
8:15 AM	3	27	24	96	53	61	31	14	15	28	35	82	469
8:30 AM	6	44	20	87	40	55	21	16	15	27	26	86	443
8:45 AM	12	49	11	87	33	38	33	15	17	24	31	82	432
TOTAL VOLUMES :	109	386	310	922	410	594	361	188	190	276	347	892	4985
APPROACH %'s :	13.54%	47.95%	38.51%	47.87%	21.29%	30.84%	48.85%	25.44%	25.71%	18.22%	22.90%	58.88%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	36	134	68	369	164	227	115	60	71	99	123	330	1796
PEAK HR FACTOR :	0.888			0.905			0.961			0.890			0.957

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-014

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Vignes St			N Vignes St			Ramirez St			Ramirez St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	3	2	1	2	2	0	1.5	1	0.5	1	1	1	
3:00 PM	9	54	12	62	35	27	37	12	7	37	26	82	400
3:15 PM	3	80	12	50	56	31	34	15	8	33	26	87	435
3:30 PM	7	83	14	80	59	25	26	16	9	35	26	101	481
3:45 PM	6	81	19	51	36	37	48	19	11	35	25	99	467
4:00 PM	11	64	14	73	67	29	32	12	15	55	28	140	540
4:15 PM	9	80	19	67	40	29	36	23	12	42	31	112	500
4:30 PM	17	90	18	100	52	38	41	18	17	48	26	130	595
4:45 PM	11	91	19	74	68	24	42	18	20	36	34	133	570
5:00 PM	6	59	14	71	59	42	38	15	19	45	31	136	535
5:15 PM	12	50	20	83	49	33	42	20	23	46	24	162	564
5:30 PM	4	51	22	83	62	26	36	15	13	47	31	155	545
5:45 PM	5	47	17	53	43	28	30	9	14	66	27	142	481
TOTAL VOLUMES :	100	830	200	847	626	369	442	192	168	525	335	1479	6113
APPROACH %'s :	8.85%	73.45%	17.70%	45.98%	33.98%	20.03%	55.11%	23.94%	20.95%	22.45%	14.32%	63.23%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	46	290	71	328	228	137	163	71	79	175	115	561	2264
PEAK HR FACTOR :	0.814			0.912			0.921			0.917			0.951

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-033

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	US-101 SB Off Ramp			US-101 SB Off Ramp			Broadway			Broadway			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	2	1	1	2	0	0.5	1.5	1	0	0	0	
6:00 AM	0	26	13	7	176	0	40	50	47	0	0	0	359
6:15 AM	0	30	10	20	204	0	30	39	34	0	0	0	367
6:30 AM	0	46	12	20	233	0	17	38	34	0	0	0	400
6:45 AM	0	55	12	19	259	0	12	38	24	0	0	0	419
7:00 AM	0	59	6	23	260	0	22	45	28	0	0	0	443
7:15 AM	0	60	11	33	230	0	21	40	33	0	0	0	428
7:30 AM	0	83	22	28	239	0	30	56	24	0	0	0	482
7:45 AM	0	71	15	40	244	0	37	55	34	0	0	0	496
8:00 AM	0	73	21	33	240	0	22	75	42	0	0	0	506
8:15 AM	0	62	20	27	215	0	31	70	50	0	0	1	476
8:30 AM	0	73	21	40	230	0	22	69	37	0	0	0	492
8:45 AM	0	73	17	29	223	0	29	84	35	0	0	0	490
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	711	180	319	2753	0	313	659	422	0	0	1	5358
APPROACH %'s :	0.00%	79.80%	20.20%	10.38%	89.62%	0.00%	22.45%	47.27%	30.27%	0.00%	0.00%	100.00%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	279	77	140	929	0	112	269	163	0	0	1	1970
PEAK HR FACTOR :	0.947			0.941			0.901			0.250			0.973

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-033

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	US-101 SB Off Ramp			US-101 SB Off Ramp			Broadway			Broadway			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	1	1	2	0	0.5	1.5	1	0	0	0	
3:00 PM	0	127	52	20	111	0	25	104	13	0	0	0	452
3:15 PM	0	129	47	6	101	0	26	108	16	0	0	0	433
3:30 PM	0	118	45	24	125	0	29	93	19	0	0	0	453
3:45 PM	0	152	48	17	125	0	29	85	9	0	0	0	465
4:00 PM	0	151	41	20	134	0	30	76	9	0	0	0	461
4:15 PM	0	173	48	9	115	0	28	67	14	0	0	0	454
4:30 PM	0	218	72	20	142	0	17	63	10	0	0	0	542
4:45 PM	0	198	57	16	142	0	19	66	4	0	0	0	502
5:00 PM	0	196	69	13	150	0	23	62	5	0	0	0	518
5:15 PM	0	194	37	20	140	0	22	81	6	0	0	0	500
5:30 PM	0	217	59	13	133	0	29	67	8	0	0	0	526
5:45 PM	0	214	42	23	142	0	42	56	9	0	0	0	528
TOTAL VOLUMES :	0	2087	617	201	1560	0	319	928	122	0	0	0	5834
APPROACH %'s :	0.00%	77.18%	22.82%	11.41%	88.59%	0.00%	23.30%	67.79%	8.91%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	0	821	207	69	565	0	116	266	28	0	0	0	2072
PEAK HR FACTOR :		0.931			0.961			0.940			0.000		0.981

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-036

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Spring St			Spring St			Aliso St			Aliso St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	1	3	0	0	3	0	0	0	0	
6:00 AM	0	6	5	16	125	0	0	44	22	0	0	0	218
6:15 AM	0	7	4	8	184	0	0	37	33	0	0	0	273
6:30 AM	0	9	6	16	186	0	0	43	30	0	0	0	290
6:45 AM	0	8	3	13	203	0	0	46	23	0	0	0	296
7:00 AM	0	11	3	30	257	0	0	36	41	0	0	0	378
7:15 AM	0	10	8	35	247	0	0	45	36	0	0	0	381
7:30 AM	0	11	5	33	249	0	1	65	37	0	0	0	401
7:45 AM	1	9	6	43	254	0	0	63	49	0	0	0	425
8:00 AM	0	7	4	41	292	0	0	70	55	0	0	0	469
8:15 AM	0	9	5	42	314	0	2	69	51	0	0	0	492
8:30 AM	0	5	6	37	307	0	0	70	61	0	0	0	486
8:45 AM	0	10	6	24	315	0	0	56	71	0	0	0	482
TOTAL VOLUMES :	1	102	61	338	2933	0	3	644	509	0	0	0	4591
APPROACH %'s :	0.61%	62.20%	37.20%	10.33%	89.67%	0.00%	0.26%	55.71%	44.03%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	31	21	144	1228	0	2	265	238	0	0	0	1929
PEAK HR FACTOR :	0.813			0.963			0.964			0.000			0.980

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-036

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	Spring St			Spring St			Aliso St			Aliso St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	1	3	0	0	3	0	0	0	0	
3:00 PM	0	9	6	28	96	0	0	168	12	0	0	0	319
3:15 PM	0	10	13	32	97	0	0	154	10	0	0	0	316
3:30 PM	0	13	15	31	117	0	0	161	5	0	0	0	342
3:45 PM	0	8	12	22	121	0	0	141	13	0	0	0	317
4:00 PM	0	8	11	22	121	0	0	129	7	0	0	0	298
4:15 PM	0	13	14	24	127	0	0	114	5	0	0	0	297
4:30 PM	0	8	19	22	100	0	0	139	13	0	0	0	301
4:45 PM	0	10	17	30	125	0	0	125	11	0	0	0	318
5:00 PM	0	14	20	30	115	0	0	134	9	0	0	0	322
5:15 PM	0	10	17	30	110	0	0	143	11	0	0	0	321
5:30 PM	0	9	21	19	125	0	0	125	6	0	0	0	305
5:45 PM	0	10	19	19	104	0	0	105	10	0	0	0	267
TOTAL VOLUMES :	0	122	184	309	1358	0	0	1638	112	0	0	0	3723
APPROACH %'s :	0.00%	39.87%	60.13%	18.54%	81.46%	0.00%	0.00%	93.60%	6.40%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	300 PM												TOTAL
PEAK HR VOL :	0	40	46	113	431	0	0	624	40	0	0	0	1294
PEAK HR FACTOR :	0.768			0.919			0.922			0.000			0.946

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-028

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Main St			Main St			Aliso St			Aliso St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	1	0	0	0	0	3	0	0	0	0	
6:00 AM	0	31	17	0	0	0	12	54	0	0	0	0	114
6:15 AM	0	26	27	0	0	0	12	38	0	0	0	0	103
6:30 AM	0	35	30	0	0	0	2	62	0	0	0	0	129
6:45 AM	0	58	25	0	0	0	5	59	0	0	0	0	147
7:00 AM	0	69	32	0	0	0	3	64	0	0	0	0	168
7:15 AM	0	76	36	0	0	0	8	79	0	0	0	0	199
7:30 AM	0	87	49	0	0	0	13	91	0	0	0	0	240
7:45 AM	0	79	52	0	0	0	8	106	0	0	0	0	245
8:00 AM	0	77	48	0	0	0	10	104	0	0	0	0	239
8:15 AM	0	96	47	0	0	0	15	96	0	0	0	0	254
8:30 AM	0	101	54	0	0	0	24	92	0	0	0	0	271
8:45 AM	0	93	49	0	0	0	24	62	0	0	0	0	228
TOTAL VOLUMES :	0	828	466	0	0	0	136	907	0	0	0	0	2337
APPROACH %'s :	0.00%	63.99%	36.01%	#DIV/0!	#DIV/0!	#DIV/0!	13.04%	86.96%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	353	201	0	0	0	57	398	0	0	0	0	1009
PEAK HR FACTOR :	0.894			0.000			0.981			0.000			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-028

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	PM												TOTAL
	Main St			Main St			Aliso St			Aliso St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	1	0	0	0	0	3	0	0	0	0	
3:00 PM	0	145	98	0	0	0	13	179	0	0	0	0	435
3:15 PM	0	147	77	0	0	0	20	178	0	0	0	0	422
3:30 PM	0	187	57	0	0	0	24	183	0	0	0	0	451
3:45 PM	0	182	73	0	0	0	19	154	0	0	0	0	428
4:00 PM	0	246	71	0	0	0	22	143	0	0	0	0	482
4:15 PM	0	273	70	0	0	0	17	133	0	0	0	0	493
4:30 PM	0	377	77	0	0	0	20	157	0	0	0	0	631
4:45 PM	0	298	58	0	0	0	26	146	0	0	0	0	528
5:00 PM	0	365	67	0	0	0	25	166	0	0	0	0	623
5:15 PM	0	359	63	0	0	0	25	166	0	0	0	0	613
5:30 PM	0	362	68	0	0	0	21	150	0	0	0	0	601
5:45 PM	0	334	64	0	0	0	20	127	0	0	0	0	545
TOTAL VOLUMES :	0	3275	843	0	0	0	252	1882	0	0	0	0	6252
APPROACH %'s :	0.00%	79.53%	20.47%	#DIV/0!	#DIV/0!	#DIV/0!	11.81%	88.19%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	1399	265	0	0	0	96	635	0	0	0	0	2395
PEAK HR FACTOR :	0.916			0.000			0.957			0.000			0.949

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-022

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Los Angeles St			N Los Angeles St			E Aliso St			E Aliso St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	2	0	0	4	0	0	0	0	
6:00 AM	0	14	7	0	86	0	9	22	10	0	0	0	148
6:15 AM	0	35	6	0	85	0	2	21	12	0	0	0	161
6:30 AM	0	37	7	0	118	0	10	24	19	0	0	0	215
6:45 AM	0	41	7	0	139	0	7	19	20	0	0	0	233
7:00 AM	0	42	17	0	146	0	1	26	29	0	0	0	261
7:15 AM	0	56	6	0	153	0	0	31	28	0	0	0	274
7:30 AM	0	82	8	0	144	0	0	30	34	0	0	0	298
7:45 AM	0	88	7	0	172	0	3	30	31	0	0	0	331
8:00 AM	0	62	20	0	154	0	10	29	40	0	0	0	315
8:15 AM	0	77	15	0	142	0	5	39	45	0	0	0	323
8:30 AM	1	77	17	0	150	0	12	31	31	0	0	0	319
8:45 AM	0	82	18	0	153	0	14	19	40	0	0	0	326
TOTAL VOLUMES :	1	693	135	0	1642	0	73	321	339	0	0	0	3204
APPROACH %'s :	0.12%	83.59%	16.28%	0.00%	100.00%	0.00%	9.96%	43.79%	46.25%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	1	304	59	0	618	0	30	129	147	0	0	0	1288
PEAK HR FACTOR :	0.958			0.898			0.860			0.000			0.973

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-022

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	PM												TOTAL
	N Los Angeles St			N Los Angeles St			E Aliso St			E Aliso St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	3	0	0	2	0	0	4	0	0	0	0	
3:00 PM	0	121	21	0	41	0	18	87	12	0	0	0	300
3:15 PM	0	133	36	0	53	0	20	85	15	0	0	0	342
3:30 PM	0	151	35	0	45	0	26	80	13	0	0	0	350
3:45 PM	0	167	38	0	50	0	17	68	11	0	0	0	351
4:00 PM	0	205	30	0	56	0	15	71	10	0	0	0	387
4:15 PM	0	227	46	0	44	0	14	81	9	0	0	0	421
4:30 PM	0	212	48	0	49	0	8	75	7	0	0	0	399
4:45 PM	0	231	41	1	61	0	24	59	6	0	0	0	423
5:00 PM	0	244	47	0	68	0	17	59	6	0	0	0	441
5:15 PM	0	284	38	0	51	0	17	54	4	0	0	0	448
5:30 PM	0	299	33	0	67	0	27	70	4	0	0	0	500
5:45 PM	0	326	40	0	66	0	18	63	6	0	0	0	519
TOTAL VOLUMES :	0	2600	453	1	651	0	221	852	103	0	0	0	4881
APPROACH %'s :	0.00%	85.16%	14.84%	0.15%	99.85%	0.00%	18.79%	72.45%	8.76%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	0	1153	158	0	252	0	79	246	20	0	0	0	1908
PEAK HR FACTOR :	0.895			0.926			0.854			0.000			0.919

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-001

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			E Commercial St			E Commercial St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	1	1	3	0	2	1	1	1	0	1	
6:00 AM	2	83	17	21	158	0	8	8	12	37	0	30	376
6:15 AM	0	123	22	24	185	0	7	8	13	28	0	31	441
6:30 AM	0	158	26	18	185	0	9	5	13	23	0	23	460
6:45 AM	0	147	25	26	240	0	8	9	10	25	0	19	509
7:00 AM	0	198	23	21	232	0	5	5	27	35	0	37	583
7:15 AM	0	154	29	27	229	0	10	8	19	32	0	46	554
7:30 AM	0	172	19	35	255	0	15	8	19	27	0	50	600
7:45 AM	0	149	34	24	296	0	11	6	19	25	0	36	600
8:00 AM	0	141	30	27	280	0	9	9	25	39	0	47	607
8:15 AM	0	162	31	19	293	0	11	4	28	38	0	39	625
8:30 AM	0	177	35	20	287	0	14	5	26	34	0	46	644
8:45 AM	0	188	23	16	284	0	8	6	28	39	0	36	628
TOTAL VOLUMES :	2	1852	314	278	2924	0	115	81	239	382	0	440	6627
APPROACH %'s :	0.09%	85.42%	14.48%	8.68%	91.32%	0.00%	26.44%	18.62%	54.94%	46.47%	0.00%	53.53%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	668	119	82	1144	0	42	24	107	150	0	168	2504
PEAK HR FACTOR :	0.928			0.982			0.961			0.924			0.972

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-001

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			E Commercial St			E Commercial St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	1	1	3	0	2	1	1	1	0	1	
3:00 PM	0	253	61	31	155	0	84	15	15	31	0	36	681
3:15 PM	1	282	36	41	182	0	79	18	19	13	0	41	712
3:30 PM	0	273	46	31	181	0	92	22	16	32	0	38	731
3:45 PM	0	288	40	42	160	0	88	13	11	15	0	44	701
4:00 PM	0	289	47	51	219	0	80	11	12	33	0	36	778
4:15 PM	0	279	40	41	185	0	88	15	17	25	0	32	722
4:30 PM	0	272	44	43	213	0	92	18	12	24	0	45	763
4:45 PM	0	278	43	38	188	0	78	13	8	24	0	44	714
5:00 PM	0	291	26	45	175	0	81	17	8	22	0	32	697
5:15 PM	0	261	29	35	175	0	81	14	4	23	2	39	663
5:30 PM	0	278	29	27	166	0	85	6	7	16	0	47	661
5:45 PM	0	252	22	27	169	0	90	11	7	17	0	36	631
TOTAL VOLUMES :	1	3296	463	452	2168	0	1018	173	136	275	2	470	8454
APPROACH %'s :	0.03%	87.66%	12.31%	17.25%	82.75%	0.00%	76.71%	13.04%	10.25%	36.81%	0.27%	62.92%	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	0	1118	174	173	805	0	338	57	49	106	0	157	2977
PEAK HR FACTOR :	0.961												0.957

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-002

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
LANES:	0	2	0	0	1	1	2	1	0	1	2	0	
6:00 AM	0	6	0	76	20	73	34	9	1	1	21	34	275
6:15 AM	0	6	0	70	17	68	34	3	0	0	19	29	246
6:30 AM	0	13	0	50	20	37	23	9	1	2	18	36	209
6:45 AM	3	7	0	44	8	36	27	9	3	1	19	19	176
7:00 AM	2	13	1	48	14	49	18	9	5	2	20	21	202
7:15 AM	2	8	1	40	9	48	36	12	1	2	24	34	217
7:30 AM	6	9	2	48	11	49	34	4	1	1	29	27	221
7:45 AM	1	17	4	45	13	36	38	12	1	3	26	23	219
8:00 AM	4	8	0	54	20	45	39	12	6	1	33	26	248
8:15 AM	2	3	1	50	15	50	36	9	0	5	30	28	229
8:30 AM	6	10	1	46	12	49	32	6	1	1	33	17	214
8:45 AM	1	11	1	64	13	53	24	6	2	0	19	21	215
TOTAL VOLUMES :	27	111	11	635	172	593	375	100	22	19	291	315	2671
APPROACH %'s :	18.12%	74.50%	7.38%	45.36%	12.29%	42.36%	75.45%	20.12%	4.43%	3.04%	46.56%	50.40%	
PEAK HR START TIME :	7:30 AM												TOTAL
PEAK HR VOL :	13	37	7	197	59	180	147	37	8	10	118	104	917
PEAK HR FACTOR :	0.648			0.916			0.842			0.921			0.924

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-002

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Garey St			N Garey St			E Commercial St			E Commercial St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	1	1	2	1	0	1	2	0	
3:00 PM	1	40	5	33	6	56	109	21	5	1	15	48	340
3:15 PM	2	64	1	34	7	39	89	15	1	0	9	41	302
3:30 PM	1	66	2	28	5	42	99	18	2	2	12	70	347
3:45 PM	1	54	3	32	5	42	94	13	3	1	14	57	319
4:00 PM	2	83	4	28	1	37	109	14	1	3	18	87	387
4:15 PM	2	63	6	32	3	33	92	16	4	1	10	57	319
4:30 PM	4	88	6	23	5	41	109	14	8	0	9	91	398
4:45 PM	4	98	0	20	4	35	83	9	3	0	14	60	330
5:00 PM	5	127	3	21	7	41	96	25	4	1	17	66	413
5:15 PM	6	127	9	36	3	47	62	18	1	0	4	73	386
5:30 PM	6	82	9	26	6	28	64	9	5	0	11	54	300
5:45 PM	5	82	3	32	6	33	50	12	1	0	12	52	288
TOTAL VOLUMES :	39	974	51	345	58	474	1056	184	38	9	145	756	4129
APPROACH %'s :	3.67%	91.54%	4.79%	39.34%	6.61%	54.05%	82.63%	14.40%	2.97%	0.99%	15.93%	83.08%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	19	440	18	100	19	164	350	66	16	1	44	290	1527
PEAK HR FACTOR :	0.840			0.823			0.824			0.838			0.924

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-037

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Spring St			Spring St			Temple St			Temple St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	1	0	2	0	0	3	0	
6:00 AM	0	7	0	1	112	8	0	47	14	8	66	0	263
6:15 AM	0	11	0	1	164	14	0	51	12	10	105	0	368
6:30 AM	1	12	0	6	164	15	0	71	19	6	148	0	442
6:45 AM	0	9	0	5	185	16	0	73	23	11	223	0	545
7:00 AM	2	12	0	6	241	24	1	99	36	12	232	1	666
7:15 AM	0	16	0	5	207	32	2	103	35	20	242	1	663
7:30 AM	0	20	1	6	217	34	0	100	33	17	199	2	629
7:45 AM	0	14	3	14	238	32	1	115	31	22	210	1	681
8:00 AM	0	11	3	12	270	38	0	117	35	23	186	2	697
8:15 AM	0	11	3	12	298	25	0	126	37	15	213	1	741
8:30 AM	0	8	0	14	275	39	0	116	48	21	207	0	728
8:45 AM	0	16	0	13	293	37	0	113	49	20	194	0	735
TOTAL VOLUMES :	3	147	10	95	2664	314	4	1131	372	185	2225	8	7158
APPROACH %'s :	1.88%	91.88%	6.25%	3.09%	86.69%	10.22%	0.27%	75.05%	24.68%	7.65%	92.02%	0.33%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	46	6	51	1136	139	0	472	169	79	800	3	2901
PEAK HR FACTOR :	0.813			0.966			0.977			0.963			0.979

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-037

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	PM												TOTAL
	Spring St NORTHBOUND			Spring St SOUTHBOUND			Temple St EASTBOUND			Temple St WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	2	0	0	3	1	0	2	0	0	3	0	
3:00 PM	0	12	1	8	82	26	0	142	16	23	180	2	492
3:15 PM	0	17	3	9	86	17	0	128	29	19	182	0	490
3:30 PM	0	20	0	3	107	13	0	139	17	17	212	1	529
3:45 PM	0	19	1	8	121	15	0	153	15	17	222	1	572
4:00 PM	0	17	1	15	96	15	1	124	17	11	231	1	529
4:15 PM	0	27	3	14	112	24	0	167	17	15	207	0	586
4:30 PM	0	19	0	9	98	18	0	180	22	14	222	1	583
4:45 PM	0	23	3	13	108	34	0	163	17	15	226	3	605
5:00 PM	0	26	0	20	110	26	0	200	16	13	237	2	650
5:15 PM	0	22	0	9	113	22	0	195	19	15	227	0	622
5:30 PM	0	24	1	16	99	28	0	178	15	11	223	1	596
5:45 PM	0	27	0	9	92	23	0	165	10	9	256	1	592
TOTAL VOLUMES :	0	253	13	133	1224	261	1	1934	210	179	2625	13	6846
APPROACH %'s :	0.00%	95.11%	4.89%	8.22%	75.65%	16.13%	0.05%	90.16%	9.79%	6.35%	93.18%	0.46%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	95	4	58	430	110	0	736	67	54	913	6	2473
PEAK HR FACTOR :	0.952			0.958			0.929			0.965			0.951

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-029

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

NS/EW Streets:	AM												TOTAL
	Main St			Main St			Temple St			Temple St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	4	0	0	0	0	1	2	0	0	2	0	
6:00 AM	11	46	20	0	0	0	3	43	0	0	61	3	187
6:15 AM	17	45	19	0	0	0	6	52	0	0	99	5	243
6:30 AM	22	47	29	0	0	0	12	62	0	0	126	4	302
6:45 AM	25	68	31	0	0	0	7	75	0	0	214	7	427
7:00 AM	20	78	35	0	0	0	10	98	0	0	221	6	468
7:15 AM	21	79	38	0	0	0	12	91	0	0	246	5	492
7:30 AM	30	108	45	0	0	0	10	97	0	0	194	17	501
7:45 AM	34	115	37	0	0	0	18	117	0	0	195	8	524
8:00 AM	23	93	36	0	0	0	12	112	0	0	182	18	476
8:15 AM	29	107	51	0	0	0	18	126	0	0	200	16	547
8:30 AM	31	116	39	0	0	0	19	116	0	0	207	21	549
8:45 AM	33	99	31	0	0	0	17	108	0	0	183	11	482
TOTAL VOLUMES :	296	1001	411	0	0	0	144	1097	0	0	2128	121	5198
APPROACH %'s :	17.33%	58.61%	24.06%	#DIV/0!	#DIV/0!	#DIV/0!	11.60%	88.40%	0.00%	0.00%	94.62%	5.38%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	117	431	163	0	0	0	67	471	0	0	784	63	2096
PEAK HR FACTOR :	0.951			0.000			0.934			0.929			0.954

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 15-5779-029

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/19/2015

PM

NS/EW Streets:	Main St			Main St			Temple St			Temple St			TOTAL	
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND				
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR		
	0	4	0	0	0	0	1	2	0	0	2	0		
3:00 PM	37	193	47	0	0	0	23	123	0	0	160	19	602	
3:15 PM	33	192	36	0	0	0	21	123	0	0	164	20	589	
3:30 PM	47	216	53	0	0	0	12	133	0	0	175	24	660	
3:45 PM	63	195	42	0	0	0	18	149	0	1	182	18	668	
4:00 PM	52	259	47	0	0	0	14	133	0	0	194	30	729	
4:15 PM	60	296	40	0	0	0	23	150	0	0	168	30	767	
4:30 PM	53	363	45	0	0	0	32	163	0	0	188	52	896	
4:45 PM	67	291	41	0	0	0	20	164	0	0	183	36	802	
5:00 PM	76	336	36	0	0	0	23	191	0	0	166	65	893	
5:15 PM	47	344	30	0	0	0	23	184	0	0	199	48	875	
5:30 PM	65	363	20	0	0	0	20	172	0	0	172	36	848	
5:45 PM	80	321	28	0	0	0	22	150	0	0	193	46	840	
TOTAL VOLUMES :	680	3369	465	0	0	0	251	1835	0	1	2144	424	9169	
APPROACH %'s :	15.06%	74.63%	10.30%	#DIV/0!	#DIV/0!	#DIV/0!	12.03%	87.97%	0.00%	0.04%	83.46%	16.50%		
PEAK HR START TIME :	430 PM												TOTAL	
PEAK HR VOL :	243	1334	152	0	0	0	98	702	0	0	736	201	3466	
PEAK HR FACTOR :	0.938						0.000			0.935		0.948		0.967

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-023

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

AM

NS/EW Streets:	N Los Angeles St			N Los Angeles St			Temple St			Temple St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	3	0	1	2	1	1	2	0	1	2	1	
6:00 AM	4	28	2	26	142	7	6	34	16	13	48	4	330
6:15 AM	7	33	6	29	130	15	7	27	27	16	73	13	383
6:30 AM	4	49	5	21	151	20	8	36	38	21	120	9	482
6:45 AM	12	34	2	20	162	17	7	53	34	16	176	11	544
7:00 AM	13	48	7	28	180	11	9	61	36	22	218	17	650
7:15 AM	21	55	14	32	166	24	8	62	50	24	221	25	702
7:30 AM	17	77	12	41	184	19	11	66	45	34	178	22	706
7:45 AM	18	75	9	35	231	21	9	82	44	31	162	29	746
8:00 AM	22	68	12	40	227	24	8	91	38	22	181	34	767
8:15 AM	16	81	16	44	203	20	2	106	50	19	195	29	781
8:30 AM	12	93	13	45	227	26	13	94	35	25	182	26	791
8:45 AM	13	82	18	41	224	37	16	79	40	22	146	26	744

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	159	723	116	402	2227	241	104	791	453	265	1900	245	7626
APPROACH %'s :	15.93%	72.44%	11.62%	14.01%	77.60%	8.40%	7.72%	58.68%	33.61%	11.00%	78.84%	10.17%	

PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	68	317	50	164	888	91	32	373	167	97	720	118	3085
PEAK HR FACTOR :	0.922			0.959			0.905			0.962			0.975

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-023

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Los Angeles St			N Los Angeles St			Temple St			Temple St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 2	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	
3:00 PM	22	146	12	29	81	40	16	100	44	15	112	45	662
3:15 PM	17	168	22	29	89	34	11	112	39	13	123	43	700
3:30 PM	29	183	13	22	89	53	14	114	34	15	128	47	741
3:45 PM	23	197	15	19	84	41	13	137	24	16	94	41	704
4:00 PM	12	207	9	33	87	53	23	134	30	15	146	59	808
4:15 PM	16	231	16	18	71	49	27	137	32	5	119	56	777
4:30 PM	37	226	10	24	97	66	26	150	25	19	119	46	845
4:45 PM	28	271	24	22	102	51	27	160	27	13	129	49	903
5:00 PM	32	254	18	24	103	48	23	199	33	19	112	65	930
5:15 PM	31	278	19	22	89	46	29	160	29	22	69	58	852
5:30 PM	54	277	10	16	93	13	41	154	21	16	91	65	851
5:45 PM	50	307	15	14	89	22	14	109	30	12	103	76	841
TOTAL VOLUMES :	351	2745	183	272	1074	516	264	1666	368	180	1345	650	9614
APPROACH %'s :	10.70%	83.71%	5.58%	14.61%	57.68%	27.71%	11.49%	72.50%	16.01%	8.28%	61.84%	29.89%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	145	1080	71	84	387	158	120	673	110	70	401	237	3536
PEAK HR FACTOR :	0.950			0.899			0.885			0.903			0.951

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-005

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			E Temple St			E Temple St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
6:00 AM	14	88	0	8	130	50	4	16	15	0	20	3	348
6:15 AM	25	131	0	3	146	56	7	26	12	3	25	2	436
6:30 AM	52	165	0	5	148	59	24	28	13	4	54	8	560
6:45 AM	64	158	0	4	166	73	20	33	19	6	83	5	631
7:00 AM	85	196	0	4	188	83	19	34	25	3	118	13	768
7:15 AM	60	143	0	6	175	84	20	42	24	9	125	13	701
7:30 AM	54	191	0	5	209	90	15	36	28	5	92	12	737
7:45 AM	57	156	1	5	207	100	18	48	30	11	81	11	725
8:00 AM	76	155	0	2	215	106	19	34	36	6	87	10	746
8:15 AM	46	177	1	8	201	112	25	40	32	3	89	10	744
8:30 AM	60	149	0	14	203	110	41	39	49	4	87	9	765
8:45 AM	38	184	1	6	197	94	23	47	39	5	70	5	709
TOTAL VOLUMES :	631	1893	3	70	2185	1017	235	423	322	59	931	101	7870
APPROACH %'s :	24.97%	74.91%	0.12%	2.14%	66.78%	31.08%	23.98%	43.16%	32.86%	5.41%	85.33%	9.26%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	239	637	2	29	826	428	103	161	147	24	344	40	2980
PEAK HR FACTOR :	0.950			0.981			0.797			0.990			0.974

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-005

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			E Temple St			E Temple St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	22	219	0	7	139	55	74	55	37	5	43	14	670
3:15 PM	18	208	0	10	147	67	70	78	38	2	44	15	697
3:30 PM	14	194	0	17	153	84	85	69	53	5	40	26	740
3:45 PM	11	234	0	18	147	59	80	86	44	9	38	25	751
4:00 PM	27	253	0	22	199	67	65	97	55	6	50	24	865
4:15 PM	29	207	0	21	173	78	62	90	54	6	30	18	768
4:30 PM	19	233	0	18	188	77	69	116	34	12	36	23	825
4:45 PM	16	222	0	12	153	79	48	133	47	5	38	26	779
5:00 PM	20	223	0	20	158	72	58	157	50	11	49	24	842
5:15 PM	11	198	1	6	146	78	61	158	47	7	37	32	782
5:30 PM	13	215	0	11	149	50	54	114	61	4	42	20	733
5:45 PM	13	199	0	9	148	66	40	107	40	6	23	26	677
TOTAL VOLUMES :	213	2605	1	171	1900	832	766	1260	560	78	470	273	9129
APPROACH %'s :	7.56%	92.41%	0.04%	5.89%	65.45%	28.66%	29.62%	48.72%	21.66%	9.50%	57.25%	33.25%	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	91	915	0	73	713	301	244	436	190	29	154	91	3237
PEAK HR FACTOR :	0.898			0.944			0.954			0.856			0.936

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-007

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

NS/EW Streets:	AM												TOTAL
	N Alameda St			N Alameda St			E 1st St			E 1st St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	1	1	2	1	1	2	0	0	2	1	
6:00 AM	4	83	5	0	124	17	8	11	3	0	93	5	353
6:15 AM	7	136	5	1	135	19	16	15	9	2	135	16	496
6:30 AM	18	192	5	2	150	29	15	18	8	1	125	7	570
6:45 AM	5	202	11	3	158	31	16	26	10	1	144	10	617
7:00 AM	1	270	9	2	188	35	0	2	3	0	115	3	628
7:15 AM	1	205	13	3	174	31	0	2	1	3	140	7	580
7:30 AM	1	243	17	2	207	37	1	0	0	1	128	11	648
7:45 AM	1	206	9	4	212	40	0	1	2	0	130	9	614
8:00 AM	0	225	11	2	214	48	0	0	0	0	124	2	626
8:15 AM	0	227	12	5	195	33	2	0	0	0	128	4	606
8:30 AM	0	193	8	3	198	53	0	0	1	0	121	10	587
8:45 AM	4	214	16	2	194	45	0	1	0	0	122	8	606
TOTAL VOLUMES :	42	2396	121	29	2149	418	58	76	37	8	1505	92	6931
APPROACH %'s :	1.64%	93.63%	4.73%	1.12%	82.78%	16.10%	33.92%	44.44%	21.64%	0.50%	93.77%	5.73%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	2	901	49	13	828	158	3	1	2	1	510	26	2494
PEAK HR FACTOR :	0.912		0.946			0.500			0.959			0.962	

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: SCRIP-007

Day: Thursday

City: Los Angeles

TOTALS

Date: 11/5/2015

PM

NS/EW Streets:	N Alameda St			N Alameda St			E 1st St			E 1st St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 2	ER 0	WL 0	WT 2	WR 1	
3:00 PM	11	189	23	11	149	25	44	73	25	0	44	7	601
3:15 PM	11	190	21	7	156	25	36	47	14	1	44	5	557
3:30 PM	11	161	21	8	166	29	49	94	20	0	76	2	637
3:45 PM	12	177	29	7	157	18	66	110	16	1	55	7	655
4:00 PM	13	194	28	17	216	29	72	93	27	0	66	3	758
4:15 PM	9	179	32	13	206	24	56	117	22	0	66	2	726
4:30 PM	17	169	43	5	193	32	88	117	34	1	59	6	764
4:45 PM	27	150	39	5	176	35	88	142	29	0	74	3	768
5:00 PM	15	161	22	3	182	37	88	113	28	1	80	4	734
5:15 PM	13	103	23	10	165	30	106	122	29	0	82	4	687
5:30 PM	16	132	41	13	179	35	97	114	29	0	92	2	750
5:45 PM	27	118	33	8	157	39	94	122	21	0	80	4	703
TOTAL VOLUMES :	182	1923	355	107	2102	358	884	1264	294	4	818	49	8340
APPROACH %'s :	7.40%	78.17%	14.43%	4.17%	81.89%	13.95%	36.20%	51.76%	12.04%	0.46%	93.92%	5.63%	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	66	692	142	40	791	120	304	469	112	1	265	14	3016
PEAK HR FACTOR :	0.957			0.907			0.854			0.909			0.982

CONTROL : Signalized

APPENDIX H-2: INTERSECTION RESULTS

Existing Conditions - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,010	2,036	101%	19	B
2	Broadway & Apline Street	Signal	2,979	3,029	102%	24	C
3	North Spring Street & Apline Street	Signal	1,333	1,331	100%	23	C
4	Alameda Street & Alpine Street	Signal	2,813	2,840	101%	42	D
5	Main Street & Alpine Street/Vignes Street	Signal	2,300	2,253	98%	21	C
6	Bauchet Street & Vignes Street	Signal	1,374	1,345	98%	9	A
7	Cesar Chavez Avenue & Vignes Street	Signal	3,639	3,542	97%	31	C
8	Lyon Street & Vignes Street	Signal	2,498	2,413	97%	79	E
9	Mission Road & Vignes Street	Signal	4,373	4,253	97%	127	F
10	Alameda Street & Alhambra Avenue	Signal	1,881	1,911	102%	9	A
11	Hill Street & Ord Street	Signal	1,433	1,472	103%	14	B
12	Broadway & Ord Street	Signal	2,249	2,267	101%	19	B
13	Alameda Street & Main Street/Bauchet Street	Signal	2,112	2,119	100%	14	B
14	Broadway & Cesar Chavez Avenue	Signal	4,309	4,226	98%	26	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,030	2,924	97%	46	D
16	Main Street & Cesar Chavez Avenue	Signal	2,519	2,429	96%	17	B
17	Alameda Street & Cesar Chavez Avenue	Signal	4,025	3,980	99%	32	C
18	Union Station Driveway & Cesar Chavez	Signal	2,258	2,221	98%	93	F
19	Alameda Street & Los Angeles Street	Signal	2,400	2,349	98%	15	B
20	Broadway & Arcadia Street	Signal	2,265	2,222	98%	15	B
21	Spring Street & Arcadia Street	Signal	2,449	2,310	94%	24	C
22	Main Street & Arcadia Street	Signal	2,038	2,008	99%	18	B
23	Los Angeles Street & Arcadia Street	Signal	2,649	2,600	98%	30	C
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,286	4,198	98%	78	E
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	1,974	2,052	104%	30	C
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	1,983	1,991	100%	11	B
27	Spring Street & Aliso Street	Signal	1,790	1,848	103%	12	B
28	Main & Aliso Street	Signal	1,010	1,033	102%	13	B
29	Los Angeles Street & Aliso Street	Signal	1,761	1,766	100%	19	B
30	Alameda Street & Aliso Street	Signal	2,768	2,749	99%	41	D
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,034	1,038	100%	24	C
32	Broadway & Temple Street	Signal	3,183	3,201	101%	14	B
33	Spring Street & Temple Street	Signal	2,908	3,036	104%	18	B
34	Main Street & Temple Street	Signal	2,157	2,154	100%	20	C
35	Los Angeles Street & Temple Street	Signal	3,156	3,148	100%	30	C
36	Judge John Aiso Street & Temple Street	Signal	1,753	1,792	102%	12	B
37	Alameda Street & Temple Street	Signal	3,211	3,219	100%	39	D
38	Los Angeles Street & 1st Street	Signal	3,028	3,029	100%	14	B
39	San Pedro Street & 1st Street	Signal	1,899	1,950	103%	11	B
40	Central Ave & 1st Street	Signal	1,411	1,453	103%	12	B
41	Alameda Street & 1st Street	Signal	3,018	3,031	100%	19	B

Existing Conditions - PM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	1,891	1,950	103%	18	B
2	Broadway & Apline Street	Signal	2,918	2,977	102%	20	B
3	North Spring Street & Apline Steet	Signal	1,183	1,180	100%	16	B
4	Alameda Street & Alpine Street	Signal	2,995	3,053	102%	16	B
5	Main Street & Alpine Street/Vignes Street	Signal	2,742	2,635	96%	33	C
6	Bauchet Street & Vignes Street	Signal	1,702	1,676	99%	12	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,204	4,171	99%	40	D
8	Lyon Street & Vignes Street	Signal	2,613	2,639	101%	22	C
9	Mission Road & Vignes Street	Signal	3,955	3,990	101%	47	D
10	Alameda Street & Alhambra Avenue	Signal	1,928	1,976	103%	14	B
11	Hill Street & Ord Street	Signal	1,658	1,707	103%	13	B
12	Broadway & Ord Street	Signal	2,447	2,429	99%	21	C
13	Alameda Street & Main Street/Bauchet Street	Signal	2,812	2,779	99%	20	C
14	Broadway & Cesar Chavez Avenue	Signal	4,444	4,260	96%	28	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	2,938	2,928	100%	29	C
16	Main Street & Cesar Chavez Avenue	Signal	3,775	3,666	97%	29	C
17	Alameda Street & Cesar Chavez Avenue	Signal	4,231	4,268	101%	29	C
18	Union Station Driveway & Cesar Chavez	Signal	2,558	2,448	96%	64	E
19	Alameda Street & Los Angeles Street	Signal	2,404	2,383	99%	31	C
20	Broadway & Arcadia Street	Signal	2,155	2,159	100%	11	B
21	Spring Street & Arcadia Street	Signal	1,325	1,322	100%	15	B
22	Main Street & Arcadia Street	Signal	2,248	2,216	99%	18	B
23	Los Angeles Street & Arcadia Street	Signal	2,090	2,117	101%	23	C
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	3,489	3,552	102%	22	C
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,257	2,294	102%	33	C
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,268	2,280	101%	32	C
27	Spring Street & Aliso Street	Signal	1,300	1,384	107%	30	C
28	Main & Aliso Street	Signal	2,415	2,331	97%	67	E
29	Los Angeles Street & Aliso Street	Signal	2,681	2,642	99%	48	D
30	Alameda Street & Aliso Street	Signal	2,735	2,755	101%	57	E
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,416	1,415	100%	29	C
32	Broadway & Temple Street	Signal	3,296	3,322	101%	30	C
33	Spring Street & Temple Street	Signal	2,405	2,528	105%	32	C
34	Main Street & Temple Street	Signal	3,558	3,413	96%	104	F
35	Los Angeles Street & Temple Street	Signal	3,796	3,750	99%	59	E
36	Judge John Aiso Street & Temple Street	Signal	1,803	1,827	101%	22	C
37	Alameda Street & Temple Street	Signal	3,317	3,235	98%	41	D
38	Los Angeles Street & 1st Street	Signal	3,394	3,370	99%	46	D
39	San Pedro Street & 1st Street	Signal	2,025	2,069	102%	10	B
40	Central Ave & 1st Street	Signal	1,674	1,705	102%	16	B
41	Alameda Street & 1st Street	Signal	3,004	3,024	101%	20	B

Future Conditions - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,125	2,132	100%	18	B
2	Broadway & Apline Street	Signal	3,093	3,078	100%	24	C
3	North Spring Street & Apline Steet	Signal	1,380	1,335	97%	25	C
4	Alameda Street & Alpine Street	Signal	3,144	3,045	97%	59	E
5	Main Street & Alpine Street/Vignes Street	Signal	2,418	2,318	96%	23	C
6	Bauchet Street & Vignes Street	Signal	1,484	1,390	94%	10	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,050	3,710	92%	35	C
8	Lyon Street & Vignes Street	Signal	2,693	2,405	89%	116	F
9	Mission Road & Vignes Street	Signal	4,620	4,164	90%	177	F
10	Alameda Street & Alhambra Avenue	Signal	2,137	2,073	97%	21	C
11	Hill Street & Ord Street	Signal	1,538	1,565	102%	14	B
12	Broadway & Ord Street	Signal	2,361	2,324	98%	23	C
13	Alameda Street & Main Street/Bauchet Street	Signal	2,376	2,257	95%	19	B
14	Broadway & Cesar Chavez Avenue	Signal	4,583	4,353	95%	31	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,256	3,026	93%	45	D
16	Main Street & Cesar Chavez Avenue	Signal	2,713	2,501	92%	17	B
17	Alameda Street & Cesar Chavez Avenue	Signal	4,465	4,163	93%	37	D
18	Union Station Driveway & Cesar Chavez	Signal	2,455	2,264	92%	96	F
19	Alameda Street & Los Angeles Street	Signal	2,635	2,458	93%	36	D
20	Broadway & Arcadia Street	Signal	2,422	2,203	91%	14	B
21	Spring Street & Arcadia Street	Signal	2,600	2,162	83%	50	D
22	Main Street & Arcadia Street	Signal	2,124	1,831	86%	34	C
23	Los Angeles Street & Arcadia Street	Signal	2,732	2,346	86%	47	D
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,603	3,926	85%	112	F
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,458	2,368	96%	46	D
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,118	2,077	98%	11	B
27	Spring Street & Aliso Street	Signal	1,912	1,848	97%	17	B
28	Main & Aliso Street	Signal	1,085	1,101	101%	14	B
29	Los Angeles Street & Aliso Street	Signal	1,836	1,761	96%	19	B
30	Alameda Street & Aliso Street	Signal	2,995	2,704	90%	80	E
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,226	1,192	97%	24	C
32	Broadway & Temple Street	Signal	3,352	3,258	97%	13	B
33	Spring Street & Temple Street	Signal	3,062	3,004	98%	30	C
34	Main Street & Temple Street	Signal	2,267	2,208	97%	25	C
35	Los Angeles Street & Temple Street	Signal	3,294	3,143	95%	31	C
36	Judge John Aiso Street & Temple Street	Signal	1,849	1,796	97%	15	B
37	Alameda Street & Temple Street	Signal	3,412	3,168	93%	72	E
38	Los Angeles Street & 1st Street	Signal	3,127	3,035	97%	16	B
39	San Pedro Street & 1st Street	Signal	1,963	1,967	100%	18	B
40	Central Ave & 1st Street	Signal	1,463	1,481	101%	14	B
41	Alameda Street & 1st Street	Signal	3,173	3,018	95%	58	E

Future Conditions - PM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,050	2,061	101%	18	B
2	Broadway & Apline Street	Signal	3,073	2,991	97%	19	B
3	North Spring Street & Apline Steet	Signal	1,244	1,169	94%	16	B
4	Alameda Street & Alpine Street	Signal	3,400	3,276	96%	15	B
5	Main Street & Alpine Street/Vignes Street	Signal	2,916	2,627	90%	31	C
6	Bauchet Street & Vignes Street	Signal	1,949	1,755	90%	13	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,755	4,130	87%	62	E
8	Lyon Street & Vignes Street	Signal	2,857	2,493	87%	138	F
9	Mission Road & Vignes Street	Signal	4,237	3,775	89%	156	F
10	Alameda Street & Alhambra Avenue	Signal	2,228	2,167	97%	13	B
11	Hill Street & Ord Street	Signal	1,791	1,782	99%	13	B
12	Broadway & Ord Street	Signal	2,609	2,463	94%	22	C
13	Alameda Street & Main Street/Bauchet Street	Signal	3,135	2,913	93%	21	C
14	Broadway & Cesar Chavez Avenue	Signal	4,817	4,387	91%	68	E
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,258	2,886	89%	36	D
16	Main Street & Cesar Chavez Avenue	Signal	4,060	3,480	86%	47	D
17	Alameda Street & Cesar Chavez Avenue	Signal	4,745	4,312	91%	38	D
18	Union Station Driveway & Cesar Chavez	Signal	2,788	2,296	82%	112	F
19	Alameda Street & Los Angeles Street	Signal	2,688	2,573	96%	31	C
20	Broadway & Arcadia Street	Signal	2,401	2,279	95%	16	B
21	Spring Street & Arcadia Street	Signal	1,519	1,404	92%	25	C
22	Main Street & Arcadia Street	Signal	2,382	2,149	90%	20	B
23	Los Angeles Street & Arcadia Street	Signal	2,175	2,139	98%	28	C
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	3,838	3,680	96%	46	D
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,787	2,506	90%	88	F
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,445	2,373	97%	54	D
27	Spring Street & Aliso Street	Signal	1,414	1,436	102%	22	C
28	Main & Aliso Street	Signal	2,555	2,231	87%	51	D
29	Los Angeles Street & Aliso Street	Signal	2,786	2,617	94%	52	D
30	Alameda Street & Aliso Street	Signal	2,974	2,790	94%	63	E
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,621	1,566	97%	32	C
32	Broadway & Temple Street	Signal	3,515	3,378	96%	69	E
33	Spring Street & Temple Street	Signal	2,558	2,520	98%	44	D
34	Main Street & Temple Street	Signal	3,741	3,226	86%	167	F
35	Los Angeles Street & Temple Street	Signal	3,964	3,769	95%	60	E
36	Judge John Aiso Street & Temple Street	Signal	1,909	1,860	97%	21	C
37	Alameda Street & Temple Street	Signal	3,556	3,284	92%	41	D
38	Los Angeles Street & 1st Street	Signal	3,516	3,214	91%	85	F
39	San Pedro Street & 1st Street	Signal	2,096	1,931	92%	29	C
40	Central Ave & 1st Street	Signal	1,733	1,571	91%	37	D
41	Alameda Street & 1st Street	Signal	3,178	2,949	93%	20	C

Future plus Project Conditions - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,125	2,069	97%	18	B
2	Broadway & Apline Street	Signal	3,093	2,906	94%	28	C
3	North Spring Street & Apline Steet	Signal	1,380	1,191	86%	21	C
4	Alameda Street & Alpine Street	Signal	3,156	2,769	88%	115	F
5	Main Street & Alpine Street/Vignes Street	Signal	2,435	1,901	78%	109	F
6	Bauchet Street & Vignes Street	Signal	1,484	1,347	91%	10	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,050	3,721	92%	31	C
8	Lyon Street & Vignes Street	Signal	2,693	2,504	93%	53	D
9	Mission Road & Vignes Street	Signal	4,620	4,339	94%	144	F
10	Alameda Street & Alhambra Avenue	Signal	2,149	1,764	82%	131	F
11	Hill Street & Ord Street	Signal	1,538	1,548	101%	14	B
12	Broadway & Ord Street	Signal	2,361	2,195	93%	40	D
13	Alameda Street & Main Street/Bauchet Street	Signal	2,405	1,919	80%	30	C
14	Broadway & Cesar Chavez Avenue	Signal	4,583	4,226	92%	27	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,256	2,989	92%	42	D
16	Main Street & Cesar Chavez Avenue	Signal	2,713	2,482	91%	17	B
17	Alameda Street & Cesar Chavez Avenue	Signal	4,503	3,929	87%	42	D
18	Union Station Driveway & Cesar Chavez	Signal	2,422	2,243	93%	83	F
19	Alameda Street & Los Angeles Street	Signal	2,619	2,162	83%	62	E
20	Broadway & Arcadia Street	Signal	2,422	1,961	81%	13	B
21	Spring Street & Arcadia Street	Signal	2,600	1,832	70%	29	C
22	Main Street & Arcadia Street	Signal	2,124	1,485	70%	19	B
23	Los Angeles Street & Arcadia Street	Signal	2,732	1,847	68%	33	C
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,603	3,161	69%	131	F
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,570	2,352	92%	43	D
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,118	1,991	94%	11	B
27	Spring Street & Aliso Street	Signal	1,912	1,735	91%	12	B
28	Main & Aliso Street	Signal	1,085	1,094	101%	14	B
29	Los Angeles Street & Aliso Street	Signal	1,836	1,622	88%	18	B
30	Alameda Street & Aliso Street	Signal	2,995	2,462	82%	83	F
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,226	1,139	93%	23	C
32	Broadway & Temple Street	Signal	3,352	3,145	94%	14	B
33	Spring Street & Temple Street	Signal	3,062	2,862	93%	23	C
34	Main Street & Temple Street	Signal	2,267	2,155	95%	24	C
35	Los Angeles Street & Temple Street	Signal	3,294	2,969	90%	29	C
36	Judge John Aiso Street & Temple Street	Signal	1,849	1,715	93%	13	B
37	Alameda Street & Temple Street	Signal	3,412	2,967	87%	67	E
38	Los Angeles Street & 1st Street	Signal	3,127	2,905	93%	16	B
39	San Pedro Street & 1st Street	Signal	1,963	1,911	97%	16	B
40	Central Ave & 1st Street	Signal	1,463	1,444	99%	14	B
41	Alameda Street & 1st Street	Signal	3,173	2,877	91%	51	D

Future plus Project Conditions - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,050	2,043	100%	18	B
2	Broadway & Apline Street	Signal	3,073	2,961	96%	19	B
3	North Spring Street & Apline Steet	Signal	1,244	1,168	94%	16	B
4	Alameda Street & Alpine Street	Signal	3,390	3,185	94%	16	B
5	Main Street & Alpine Street/Vignes Street	Signal	2,916	2,606	89%	32	C
6	Bauchet Street & Vignes Street	Signal	1,949	1,821	93%	13	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,755	4,199	88%	56	E
8	Lyon Street & Vignes Street	Signal	2,857	2,551	89%	109	F
9	Mission Road & Vignes Street	Signal	4,237	3,896	92%	102	F
10	Alameda Street & Alhambra Avenue	Signal	2,218	2,064	93%	13	B
11	Hill Street & Ord Street	Signal	1,791	1,794	100%	13	B
12	Broadway & Ord Street	Signal	2,609	2,427	93%	21	C
13	Alameda Street & Main Street/Bauchet Street	Signal	3,125	2,739	88%	22	C
14	Broadway & Cesar Chavez Avenue	Signal	4,817	4,384	91%	69	E
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,258	2,907	89%	35	D
16	Main Street & Cesar Chavez Avenue	Signal	4,060	3,403	84%	38	D
17	Alameda Street & Cesar Chavez Avenue	Signal	4,718	4,215	89%	45	D
18	Union Station Driveway & Cesar Chavez	Signal	2,715	2,200	81%	109	F
19	Alameda Street & Los Angeles Street	Signal	2,557	2,334	91%	49	D
20	Broadway & Arcadia Street	Signal	2,401	2,236	93%	14	B
21	Spring Street & Arcadia Street	Signal	1,519	1,323	87%	24	C
22	Main Street & Arcadia Street	Signal	2,382	1,944	82%	17	B
23	Los Angeles Street & Arcadia Street	Signal	2,175	1,724	79%	36	D
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	3,838	3,563	93%	63	E
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	3,111	2,783	89%	67	E
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,445	2,368	97%	40	D
27	Spring Street & Aliso Street	Signal	1,414	1,413	100%	17	B
28	Main & Aliso Street	Signal	2,555	2,077	81%	42	D
29	Los Angeles Street & Aliso Street	Signal	2,786	2,086	75%	77	E
30	Alameda Street & Aliso Street	Signal	2,974	2,702	91%	45	D
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,621	1,611	99%	30	C
32	Broadway & Temple Street	Signal	3,515	3,160	90%	83	F
33	Spring Street & Temple Street	Signal	2,558	2,277	89%	53	D
34	Main Street & Temple Street	Signal	3,741	2,828	76%	200	F
35	Los Angeles Street & Temple Street	Signal	3,964	3,013	76%	108	F
36	Judge John Aiso Street & Temple Street	Signal	1,909	1,707	89%	57	E
37	Alameda Street & Temple Street	Signal	3,556	3,135	88%	37	D
38	Los Angeles Street & 1st Street	Signal	3,516	2,569	73%	146	F
39	San Pedro Street & 1st Street	Signal	2,096	1,904	91%	27	C
40	Central Ave & 1st Street	Signal	1,733	1,556	90%	34	C
41	Alameda Street & 1st Street	Signal	3,178	2,907	91%	21	C

Future plus Project Alternative 2 - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,125	2,133	100%	18	B
2	Broadway & Apline Street	Signal	3,093	3,013	97%	28	C
3	North Spring Street & Apline Steet	Signal	1,380	1,328	96%	20	C
4	Alameda Street & Alpine Street	Signal	3,144	3,090	98%	49	D
5	Main Street & Alpine Street/Vignes Street	Signal	2,418	2,329	96%	27	C
6	Bauchet Street & Vignes Street	Signal	1,484	1,407	95%	10	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,032	3,691	92%	42	D
8	Lyon Street & Vignes Street	Signal	2,693	2,430	90%	109	F
9	Mission Road & Vignes Street	Signal	4,620	4,209	91%	176	F
10	Alameda Street & Alhambra Avenue	Signal	2,137	2,118	99%	41	D
11	Hill Street & Ord Street	Signal	1,538	1,578	103%	14	B
12	Broadway & Ord Street	Signal	2,361	2,270	96%	24	C
13	Alameda Street & Main Street/Bauchet Street	Signal	2,376	2,278	96%	21	C
14	Broadway & Cesar Chavez Avenue	Signal	4,583	4,253	93%	29	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,355	3,082	92%	44	D
16	Main Street & Cesar Chavez Avenue	Signal	2,812	2,566	91%	22	C
17	Alameda Street & Cesar Chavez Avenue	Signal	4,505	4,205	93%	47	D
18	Union Station Driveway & Cesar Chavez	Signal	2,394	2,179	91%	102	F
19	Alameda Street & Los Angeles Street	Signal	2,487	2,369	95%	27	C
20	Broadway & Arcadia Street	Signal	2,422	2,055	85%	14	B
21	Spring Street & Arcadia Street	Signal	2,699	2,245	83%	21	C
22	Main Street & Arcadia Street	Signal	2,124	1,823	86%	4	A
23	Los Angeles Street & Arcadia Street	Signal	2,293	1,854	81%	12	B
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	5,012	4,328	86%	80	E
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,487	2,371	95%	54	D
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,118	2,039	96%	9	A
27	Spring Street & Aliso Street	Signal	2,011	1,987	99%	11	B
28	Main & Aliso Street	Signal	1,085	1,137	105%	21	C
29	Los Angeles Street & Aliso Street	Signal	1,473	1,422	97%	25	C
30	Alameda Street & Aliso Street	Signal	3,315	3,107	94%	44	D
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,226	1,209	99%	23	C
32	Broadway & Temple Street	Signal	3,352	3,314	99%	12	B
33	Spring Street & Temple Street	Signal	3,161	3,133	99%	22	C
34	Main Street & Temple Street	Signal	2,267	2,207	97%	23	C
35	Los Angeles Street & Temple Street	Signal	2,931	2,812	96%	35	C
36	Judge John Aiso Street & Temple Street	Signal	1,849	1,824	99%	15	B
37	Alameda Street & Temple Street	Signal	3,676	3,495	95%	44	D
38	Los Angeles Street & 1st Street	Signal	2,764	2,691	97%	15	B
39	San Pedro Street & 1st Street	Signal	1,963	1,969	100%	18	B
40	Central Ave & 1st Street	Signal	1,463	1,475	101%	15	B
41	Alameda Street & 1st Street	Signal	3,437	3,324	97%	26	C

Future plus Project Alternative 2 - PM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,050	2,059	101%	18	B
2	Broadway & Apline Street	Signal	3,119	3,039	97%	19	B
3	North Spring Street & Apline Steet	Signal	1,244	1,170	94%	16	B
4	Alameda Street & Alpine Street	Signal	3,354	3,232	96%	16	B
5	Main Street & Alpine Street/Vignes Street	Signal	2,916	2,630	90%	33	C
6	Bauchet Street & Vignes Street	Signal	1,949	1,779	91%	13	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,702	4,181	89%	58	E
8	Lyon Street & Vignes Street	Signal	2,857	2,567	90%	121	F
9	Mission Road & Vignes Street	Signal	4,237	3,893	92%	116	F
10	Alameda Street & Alhambra Avenue	Signal	2,182	2,117	97%	14	B
11	Hill Street & Ord Street	Signal	1,791	1,809	101%	13	B
12	Broadway & Ord Street	Signal	2,655	2,518	95%	24	C
13	Alameda Street & Main Street/Bauchet Street	Signal	3,089	2,842	92%	26	C
14	Broadway & Cesar Chavez Avenue	Signal	4,863	4,183	86%	66	E
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,310	2,880	87%	34	C
16	Main Street & Cesar Chavez Avenue	Signal	4,221	3,600	85%	101	F
17	Alameda Street & Cesar Chavez Avenue	Signal	4,610	4,162	90%	51	D
18	Union Station Driveway & Cesar Chavez	Signal	2,709	2,249	83%	106	F
19	Alameda Street & Los Angeles Street	Signal	2,329	2,204	95%	28	C
20	Broadway & Arcadia Street	Signal	2,447	2,325	95%	15	B
21	Spring Street & Arcadia Street	Signal	1,571	1,401	89%	20	B
22	Main Street & Arcadia Street	Signal	2,491	2,289	92%	25	C
23	Los Angeles Street & Arcadia Street	Signal	1,433	1,339	93%	25	C
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,333	3,992	92%	95	F
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,829	2,685	95%	83	F
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,427	2,394	99%	16	B
27	Spring Street & Aliso Street	Signal	1,402	1,180	84%	11	B
28	Main & Aliso Street	Signal	2,491	2,131	86%	65	E
29	Los Angeles Street & Aliso Street	Signal	2,248	2,006	89%	36	D
30	Alameda Street & Aliso Street	Signal	3,509	3,288	94%	39	D
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,621	1,606	99%	31	C
32	Broadway & Temple Street	Signal	3,497	3,658	105%	29	C
33	Spring Street & Temple Street	Signal	2,610	2,588	99%	35	C
34	Main Street & Temple Street	Signal	3,741	3,496	93%	114	F
35	Los Angeles Street & Temple Street	Signal	3,599	3,478	97%	52	D
36	Judge John Aiso Street & Temple Street	Signal	1,909	1,887	99%	22	C
37	Alameda Street & Temple Street	Signal	3,887	3,633	94%	40	D
38	Los Angeles Street & 1st Street	Signal	3,151	2,958	94%	57	E
39	San Pedro Street & 1st Street	Signal	2,096	1,975	94%	24	C
40	Central Ave & 1st Street	Signal	1,733	1,613	93%	35	D
41	Alameda Street & 1st Street	Signal	3,509	3,314	94%	23	C

Future plus Project Alternative 3 - AM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,125	2,142	101%	18	B
2	Broadway & Apline Street	Signal	3,093	3,050	99%	25	C
3	North Spring Street & Apline Steet	Signal	1,380	1,337	97%	20	B
4	Alameda Street & Alpine Street	Signal	3,156	3,096	98%	61	E
5	Main Street & Alpine Street/Vignes Street	Signal	2,435	2,327	96%	24	C
6	Bauchet Street & Vignes Street	Signal	1,484	1,410	95%	11	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,050	3,699	91%	36	D
8	Lyon Street & Vignes Street	Signal	2,693	2,400	89%	114	F
9	Mission Road & Vignes Street	Signal	4,620	4,139	90%	179	F
10	Alameda Street & Alhambra Avenue	Signal	2,149	2,099	98%	57	E
11	Hill Street & Ord Street	Signal	1,538	1,574	102%	14	B
12	Broadway & Ord Street	Signal	2,361	2,303	98%	21	C
13	Alameda Street & Main Street/Bauchet Street	Signal	2,405	2,256	94%	23	C
14	Broadway & Cesar Chavez Avenue	Signal	4,583	4,313	94%	28	C
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,256	3,007	92%	46	D
16	Main Street & Cesar Chavez Avenue	Signal	2,713	2,491	92%	22	C
17	Alameda Street & Cesar Chavez Avenue	Signal	4,503	4,208	94%	43	D
18	Union Station Driveway & Cesar Chavez	Signal	2,422	2,197	91%	99	F
19	Alameda Street & Los Angeles Street	Signal	2,619	2,466	94%	34	C
20	Broadway & Arcadia Street	Signal	2,422	2,217	92%	15	B
21	Spring Street & Arcadia Street	Signal	2,600	2,192	84%	21	C
22	Main Street & Arcadia Street	Signal	2,124	1,870	88%	4	A
23	Los Angeles Street & Arcadia Street	Signal	2,732	2,247	82%	10	B
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,603	4,094	89%	76	E
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,570	2,401	93%	44	D
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,118	2,060	97%	12	B
27	Spring Street & Aliso Street	Signal	1,912	1,852	97%	11	B
28	Main & Aliso Street	Signal	1,085	1,106	102%	20	C
29	Los Angeles Street & Aliso Street	Signal	1,836	1,639	89%	21	C
30	Alameda Street & Aliso Street	Signal	2,995	2,893	97%	35	C
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,226	1,199	98%	24	C
32	Broadway & Temple Street	Signal	3,352	3,263	97%	12	B
33	Spring Street & Temple Street	Signal	3,062	3,033	99%	21	C
34	Main Street & Temple Street	Signal	2,267	2,218	98%	22	C
35	Los Angeles Street & Temple Street	Signal	3,294	3,055	93%	38	D
36	Judge John Aiso Street & Temple Street	Signal	1,849	1,822	99%	17	B
37	Alameda Street & Temple Street	Signal	3,412	3,364	99%	40	D
38	Los Angeles Street & 1st Street	Signal	3,127	2,929	94%	16	B
39	San Pedro Street & 1st Street	Signal	1,963	1,958	100%	17	B
40	Central Ave & 1st Street	Signal	1,463	1,471	101%	14	B
41	Alameda Street & 1st Street	Signal	3,173	3,187	100%	25	C

Future plus Project Alternative 3 - PM Peak Hour

	Intersection	Control	Demand Volume (vph)	Served Volume (vph)		Average Delay	LOS
				Average	Percent Served		
1	Hill Street & Alpine Street	Signal	2,050	2,024	99%	18	B
2	Broadway & Apline Street	Signal	3,119	2,884	92%	20	B
3	North Spring Street & Apline Steet	Signal	1,244	1,136	91%	16	B
4	Alameda Street & Alpine Street	Signal	3,354	3,097	92%	17	B
5	Main Street & Alpine Street/Vignes Street	Signal	2,916	2,569	88%	32	C
6	Bauchet Street & Vignes Street	Signal	1,949	1,762	90%	13	B
7	Cesar Chavez Avenue & Vignes Street	Signal	4,702	3,940	84%	56	E
8	Lyon Street & Vignes Street	Signal	2,857	2,379	83%	110	F
9	Mission Road & Vignes Street	Signal	4,237	3,668	87%	121	F
10	Alameda Street & Alhambra Avenue	Signal	2,182	1,991	91%	15	B
11	Hill Street & Ord Street	Signal	1,791	1,759	98%	13	B
12	Broadway & Ord Street	Signal	2,655	2,319	87%	22	C
13	Alameda Street & Main Street/Bauchet Street	Signal	3,089	2,660	86%	27	C
14	Broadway & Cesar Chavez Avenue	Signal	4,863	3,728	77%	100	F
15	Spring street/New High Street & Cesar Chavez Avenue	Signal	3,310	2,573	78%	76	E
16	Main Street & Cesar Chavez Avenue	Signal	4,221	3,283	78%	107	F
17	Alameda Street & Cesar Chavez Avenue	Signal	4,610	3,818	83%	60	E
18	Union Station Driveway & Cesar Chavez	Signal	2,709	2,020	75%	108	F
19	Alameda Street & Los Angeles Street	Signal	2,329	2,029	87%	42	D
20	Broadway & Arcadia Street	Signal	2,447	1,953	80%	81	F
21	Spring Street & Arcadia Street	Signal	1,571	1,160	74%	136	F
22	Main Street & Arcadia Street	Signal	2,491	2,027	81%	49	D
23	Los Angeles Street & Arcadia Street	Signal	1,433	1,154	81%	66	E
24	Alameda Street & Arcadia Street/US 101 Off-Ramps	Signal	4,333	3,699	85%	93	F
25	Vignes Street & Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	Signal	2,829	2,638	93%	84	F
26	Broadway & Aliso Street/US 101 Off-Ramps	Signal	2,427	2,003	83%	94	F
27	Spring Street & Aliso Street	Signal	1,402	1,120	80%	103	F
28	Main & Aliso Street	Signal	2,491	1,966	79%	117	F
29	Los Angeles Street & Aliso Street	Signal	2,248	1,689	75%	88	F
30	Alameda Street & Aliso Street	Signal	3,509	2,975	85%	66	E
31	Garey Street/US 101 Off-Ramps & Commercial Street	Signal	1,621	1,572	97%	32	C
32	Broadway & Temple Street	Signal	3,497	2,913	83%	86	F
33	Spring Street & Temple Street	Signal	2,610	2,172	83%	55	E
34	Main Street & Temple Street	Signal	3,741	3,037	81%	165	F
35	Los Angeles Street & Temple Street	Signal	3,599	2,867	80%	107	F
36	Judge John Aiso Street & Temple Street	Signal	1,909	1,653	87%	57	E
37	Alameda Street & Temple Street	Signal	3,887	3,362	87%	63	E
38	Los Angeles Street & 1st Street	Signal	3,151	2,491	79%	132	F
39	San Pedro Street & 1st Street	Signal	2,096	1,820	87%	27	C
40	Central Ave & 1st Street	Signal	1,733	1,507	87%	34	C
41	Alameda Street & 1st Street	Signal	3,509	3,163	90%	31	C

APPENDIX H-3: UNFUNDED CONNECTUS RESULTS

APPENDIX H TRANSPORTATION AND TRAFFIC

CONNECTUS ACTION PLAN UNFUNDED PROJECT ANALYSIS

The following sections describe the transportation network changes that are considered for future scenarios with the implementation all projects identified in the ConnectUS Action Plan that are within the study area of this project. This would include projects with secured funding (funded projects), described in Section 3, and projects without secured funding (unfunded projects). There are several ConnectUS Action Plan projects that are not funded, but are located outside the study area, so are not expected to affect traffic operations in the study area, and the resulting conclusions about the potential for project impacts. The unfunded ConnectUS projects included in this scenario are:

- New cycletrack on Broadway, north of Cesar E. Chavez Avenue to the northern edge of the study area. The design of the bikeway has not been finalized, but it is expected to reduce the number of general travel lanes from two to one in each direction. In addition, eastbound left-turn lanes will be reduced from two to one on Cesar E. Chavez Avenue at Broadway.
- New biking and walking Esplanade on Alameda Street from Cesar Chavez Avenue to the northern edge of the study area. The design of the esplanade has not been finalized, but it is not expected to reduce the number of general travel lanes.
- New biking and walking Esplanade on Vignes Street from Cesar Chavez Avenue to Main Street. The design of the esplanade has not been finalized, but it is not expected to reduce the number of general travel lanes.

These projects have been incorporated into the Future without Project (including Unfunded ConnectUS) 2029 scenario. All projects and network changes that are part of the Funded Connect US projects future roadway network, described Section 3, are also part of the Unfunded Connect US projects roadway network.

The impact analysis presented in this EIR uses a 2029 horizon year to analyze the potential for project traffic impacts on surrounding street system. This is the anticipated opening year for the California High Speed Rail and the Link US projects at LAUS. While the project is expected to be constructed earlier, these two projects represent the most substantial planned changes to traffic conditions in the study area; and so the use of 2029 as an analysis year for the project represents a “worst case” analysis of the potential for project impacts.

Future without Project (Including Unfunded ConnectUS) 2029 Scenario

To evaluate the potential impacts of the proposed project on future (Year 2029) conditions, it was necessary to develop estimates of future traffic conditions in the area both without and with the project. Traffic estimates for the Unfunded Connect US projects roadway network are the same as those volumes used for the Funded roadway network, described in Section 3.

Future without Project Simulation Model Run

Future without Project weekday AM and PM peak hour traffic volumes were developed with the application of ambient growth and cumulative development project volumes. These represent the baseline traffic volumes for analyzing the potential for project-related traffic impacts, and are the same volumes used for the Future without Project Simulation Model Run for the Funded roadway network described in Section 3. Future without Project traffic volumes, intersection geometric changes, and other transportation network changes were input into the simulation model, which was run to calculate Future without Project transportation performance metrics, and is used as the baseline to assess the potential for project impacts in the Unfunded roadway network scenarios. This appendix includes an illustration of the intersection geometries with the inclusion of the Unfunded ConnectUS projects in the study area. These geometric changes are the only differences between the inputs to the simulation model between this scenario, and the Future with Project (2029) scenario detailed in Section 3.

Future with Project (Including Unfunded ConnectUS) 2029 Scenario

Proposed Project Transportation Network and Vehicle Volume Changes

The project includes the same transportation network changes and vehicle volume shifts as described in Section 3.

Future with Project (2029) Simulation Model Run

The project-related network changes and traffic volumes were used to modify the Future without Project model, and rerun to assess the transportation performance of the Future with Project Scenario.

Future (2029) Percent Demand Served

The addition of traffic volumes from ambient growth and cumulative development projects, and the repurposing of vehicle capacity associated with both the Future unfunded baseline network changes and the project network changes, will increase traffic congestion in the network and decrease the percent demand served. In the AM peak hour, Future without Project (2029) scenario, 13 intersections are able to serve over 95% of demand, 16 are able to serve between 90-95% of demand, and 12 serve less than 90% of demand. In the AM Future with Project (2029) scenario, these numbers become five, 13, and 23, respectively. In the PM peak hour Future without Project (2029) scenario, four intersections are able to serve over 95% of demand, 19 are able to serve between 90-95% of demand, and 18 serve less than 90% of demand. With the addition of the project in the PM peak hour, the numbers change to four, 19, and 18, respectively.

The decrease in percent demand served indicates that future demand for vehicle travel in the network will exceed the available capacity to a greater extent than existing demand exceeds network capacity today. This indicates that periods of congestion could be longer in the

future, or due to travel time changes motorists may choose to switch to other modes, such as transit, or shift discretionary travel to other times of day.

As the percent demand served at many intersections is below 95%, the delay values and LOS at these intersections may not represent the full delay if all vehicles were able to access the intersection. The tables at the end of this appendix contains information on percent demand served by intersection for the Future without Project and Future with Project scenarios.

Impact Analysis

This section assesses potential impacts associated with the proposed project and, if necessary, identifies mitigation measures to eliminate or reduce impacts. The methodology implemented in this assessment consists of evaluating whether the proposed project would have significant transportation and traffic impacts according to the above-stated thresholds. Impacts are primarily assessed by considering the project objectives and proposed uses in light of the regulatory setting as well as the existing and surrounding uses described above.

Impact 3.6.1: Will the project result in a substantial disruption to traffic during construction, which could include temporary street closures; temporary loss of regular vehicular or pedestrian access to existing land uses; temporary loss of an existing bus stop or rerouting of bus lines; or creation of traffic hazards?

Impact Analysis

Construction of the project would continue under the same schedule and assumptions as outlined in Section 3. There would be no changes to the project's construction under the Unfunded ConnectUs roadway network. Therefore, as stated in Section 3, no significant impact would occur under Impact Criteria 3.6.1.

Mitigation Measures

No mitigation measures are required.

Impact 3.6.2: Would the proposed project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths and mass transit?

The following section details the impact analysis for the transportation modes identified in the above impact criteria:

Intersections & Streets

Future without Project (Including Unfunded ConnectUS) 2029 Intersection Levels of Service

Table 1 presents the average delay and LOS for each of the analyzed intersections in the AM and PM peak hours under the Future without Project (including Unfunded ConnectUS) 2029 scenario. As shown, 25 of the 41 study intersections, as compared to 26 in the Funded ConnectUS roadway network scenario described in Section 3, are estimated to operate at LOS D or better during both the AM and PM peak hours. The following 16 intersections are estimated to operate at LOS E or F, during one or both of the analyzed peak hours:

4. Alameda Street & Alpine Street
7. North Vignes Street & Cesar E. Chavez Avenue
8. Lyon Street & Cesar E. Chavez Avenue
9. Mission Road & Cesar E. Chavez Avenue
14. Broadway & Cesar E. Chavez Avenue
18. Union Station Driveway & Cesar E. Chavez Avenue
24. Alameda Street & Arcadia Street
25. North Vignes Street & Ramirez Street
26. Broadway & Aliso Street
30. Alameda Street & Aliso Street
32. Broadway & West Temple Street
33. Spring Street & Temple Street
34. North Main Street & Temple Street
35. North Los Angeles & East Temple Street
37. Alameda Street & Temple Street
38. North Los Angeles & East 1st Street

Future with Project (Including Unfunded ConnectUS) 2029 Intersection Levels of Service

Table 1 also presents the average delay and LOS for each of the analyzed intersections in the AM and PM peak hours under the Future with Project (including Unfunded ConnectUS) 2029 scenario. As shown, 23 of the 41 study intersections, as compared to 22 in the Funded ConnectUS roadway network scenario described in Section 3, are estimated to operate at LOS D or better during both the AM and PM peak hours. The following 18 intersections are estimated to operate at LOS E or F, during one or both of the analyzed peak hours:

4. Alameda Street & Alpine Street
5. North Main Street & Alpine Street
8. Lyon Street & Cesar E. Chavez Avenue
9. Mission Road & Cesar E. Chavez Avenue
10. Alameda Street & Alhambra Avenue
14. Broadway & Cesar E. Chavez Avenue
18. Union Station Driveway & Cesar E. Chavez Avenue
19. Alameda Street & North Los Angeles Street

24. Alameda Street & Arcadia Street
25. North Vignes Street & Ramirez Street
26. Broadway & Aliso Street
29. North Los Angeles & Aliso Street
30. Alameda Street & Aliso Street
32. Broadway & West Temple Street
34. North Main Street & Temple Street
35. North Los Angeles & East Temple Street
37. Alameda Street & Temple Street
38. North Los Angeles & East 1st Street

Impact Analysis

As shown Table 1, applying the criteria for determination of significant impacts used by LADOT, the proposed project would create significant traffic impacts at 15 intersections, as compared to 17 in the Funded ConnectUS roadway network scenarios described in Section 3, under the Future with Project (2029) scenario:

4. Alameda Street & Alpine Street (AM Peak Hour)
5. North Main Street & Alpine Street (AM Peak Hour)
10. Alameda Street & Alhambra Avenue (AM Peak Hour)
13. North Main Street & Alameda Street (AM Peak Hour)
17. Alameda Street & Cesar E. Chavez Avenue (Both Peak Hours)
19. Alameda Street & North Los Angeles Street (Both Peak Hours)
23. North Los Angeles Street & Arcadia Street (PM Peak Hour)
24. Alameda Street & Arcadia Street (Both Peak Hours)
29. North Los Angeles Street & Aliso Street (PM Peak Hour)
30. Alameda Street & Aliso Street (AM only)
32. North Broadway & Temple Street (PM Peak Hour)
34. North Main Street & Temple Street (PM Peak Hour)
35. North Los Angeles Street & Temple Street (PM Peak Hour)
36. Judge John Aiso & Temple Street (PM Peak Hour)
38. Los Angeles Street & Temple Street (PM Peak Hour)

The location of these significantly impact intersections are illustrated in Figures 1 and 2 for the AM and PM peak hours respectively.

There is one fewer impact in both the AM and PM peak hours compared with the impacts discussed in Section 3. In the AM peak hour, an impact at Broadway & Ord Street is removed. The repurposing of travel lanes on Broadway to accommodate a bike facility results in increased congestion and a reduced percent demand served at intersections on Broadway. Therefore, the effect of the project on the already congested portion of the network is minimized compared to the Funded ConnectUS network. In the PM peak hour, an impact at Spring Street & Temple Street is removed. The amount of delay at the intersection with the project is similar in both the Funded and Unfunded ConnectUS scenarios, however delay is much higher in the Unfunded

ConnectUS scenario without the project. This increase in delay without the project in the Unfunded ConnectUS scenario is caused by increased congestion on Broadway from the repurposed lanes, which spill back south of Cesar E. Chavez Avenue and increases delay on Temple Street.

Mitigation Measures

As the impacts under the Unfunded ConnectUS scenario are the same as those described in Section 3, the potential mitigations would also be the same. Due to the context of the study area and the project objectives, which include improving the safety and comfort for pedestrians and cyclists near LAUS, physical traffic capacity measures, such as widening intersections, are considered infeasible because they are inconsistent with this project objective, because roadway widening to accommodate additional turn lanes, through lanes, etc. increase pedestrian crossing distances and exposure to vehicle turning movements. Therefore no feasible physical mitigation is identified.

Signal timing modifications could partially mitigate project impacts in concert with other operational enhancements. Two alternatives, discussed in Chapter 5, reduce vehicle impacts by eliminating certain movements at the intersection of Los Angeles Street & Alameda Street, and providing signal timing operational enhancements. These alternatives and the relevant conclusions are applicable whether or not the Unfunded ConnectUS projects are also implemented. These alternatives are consistent with project objectives. While the project alternatives reduce the number of significant traffic impacts, they do not fully reduce all significant impacts, so regardless of whether the project or alternatives are selected, significant and unavoidable traffic impacts will remain at between nine and 17 intersections, depending on whether the project or one of the two project alternatives are selected, as the LOS and the number of impacted intersections is similar between the Funded Connect US roadway scenarios discussed in Section 3 and the Unfunded Connect US roadway scenario discussed in this Appendix.

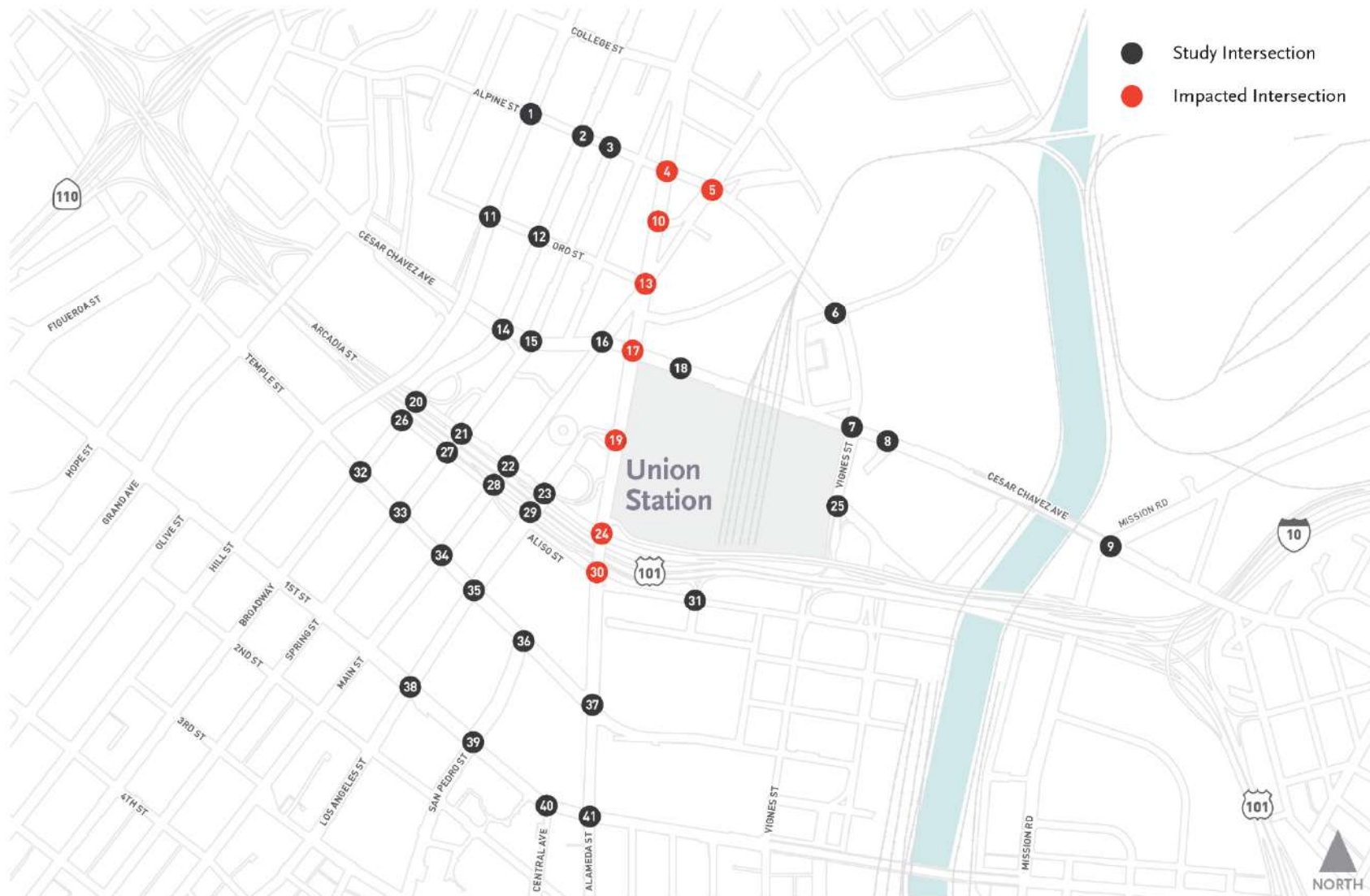
Table 1 Future with Project (Including Unfunded ConnectUS) 2029 LOS & Impact Analysis

#	N/S Street	E/W Street	Future Year 2029				Future Year 2029 plus Project							
			AM		PM		AM		PM		AM		PM	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delta	Impact?	Delta	Impact?
1	North Hill Street	Alpine Street	17	B	18	B	17	B	18	B	0	NO	0	NO
2	North Broadway	Alpine Street	52	D	34	C	51	D	33	C	-1	NO	-1	NO
3	North Spring Street	Alpine Street	35	C	16	B	32	C	16	B	-3	NO	0	NO
4	Alameda Street	Alpine Street	81	F	15	B	120+	F	15	B	39+	YES	0	NO
5	North Main Street	Alpine Street/Vignes Street	28	C	31	C	97	F	31	C	69	YES	0	NO
6	Vignes Street	Bauchet Street	10	B	13	B	10	B	14	B	0	NO	1	NO
7	Vignes Street	Cesar E. Chavez Avenue	34	C	58	E	29	C	54	D	-5	NO	-4	NO
8	Lyon Street	Cesar E. Chavez Avenue	109	F	120+	F	51	D	120+	F	-58	NO	0	NO
9	Mission Road	Cesar E. Chavez Avenue	120+	F	120+	F	120+	F	120+	F	0	NO	0	NO
10	Alameda Street	Alhambra Avenue	9	A	13	B	114	F	13	B	105	YES	0	NO
11	North Hill Street	Ord Street	13	B	13	B	12	B	13	B	-1	NO	0	NO
12	North Broadway	Ord Street	50	D	45	D	50	D	47	D	0	NO	2	NO
13	Alameda Street	Main Street/Bauchet Street	16	B	21	C	28	C	24	C	12	YES	3	NO
14	North Broadway	Cesar E. Chavez Avenue	32	C	101	F	30	C	101	F	-2	NO	0	NO
15	North Spring Street/New	Cesar E. Chavez Avenue	41	D	41	D	39	D	40	D	-2	NO	-1	NO
16	North Main Street	Cesar E. Chavez Avenue	17	B	41	D	17	B	31	C	0	NO	-10	NO
17	Alameda Street	Cesar E. Chavez Avenue	34	C	41	D	39	D	50	D	5	YES	9	YES
18	Union Station Driveway	Cesar E. Chavez Avenue	99	F	120+	F	75	E	115	F	-24	NO	-5	NO
19	Alameda Street	Los Angeles Street	23	C	31	C	59	E	46	D	36	YES	15	YES
20	North Broadway	Arcadia Street	13	B	30	C	11	B	26	C	-2	NO	-4	NO
21	North Spring Street	Arcadia Street	47	D	47	D	29	C	25	C	-18	NO	-22	NO

#	N/S Street	E/W Street	Future Year 2029				Future Year 2029 plus Project							
			AM		PM		AM		PM		AM		PM	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delta	Impact?	Delta	Impact?
22	North Main Street	Arcadia Street	33	C	27	C	19	B	16	B	-14	NO	-11	NO
23	North Los Angeles Street	Arcadia Street	43	D	31	C	32	C	36	D	-11	NO	5	YES
24	Alameda Street	Arcadia Street/US 101 Off-Ramps	103	F	45	D	120+	F	74	E	17+	YES	29	YES
25	Vignes Street	Ramirez Street/Patsaouras Transit Plaza/US 101 Off-Ramps	43	D	108	F	40	D	98	F	-3	NO	-10	NO
26	North Broadway	Aliso Street/US 101 Off-Ramps	12	B	94	F	12	B	78	E	0	NO	-16	NO
27	North Spring Street	Aliso Street	17	B	18	B	12	B	11	B	-5	NO	-7	NO
28	North Main Street	Aliso Street	13	B	50	D	13	B	34	C	0	NO	-16	NO
29	North Los Angeles Street	Aliso Street	19	B	50	D	19	B	74	E	0	NO	24	YES
30	Alameda Street	Aliso Street/Commercial Street	73	E	69	E	81	F	45	D	8	YES	-24	NO
31	Garey Street/US 101 Off-Ramps	Commercial Street	24	C	47	D	24	C	45	D	0	NO	-2	NO
32	North Broadway	Temple Street	14	B	120+	F	14	B	120+	F	0	NO	0	YES
33	North Spring Street	Temple Street	30	C	63	E	22	C	51	D	-8	NO	-12	NO
34	North Main Street	Temple Street	25	C	120+	F	23	C	120+	F	-2	NO	0	YES
35	North Los Angeles Street	Temple Street	31	C	71	E	28	C	106	F	-3	NO	35	YES
36	Judge John Aiso Street	Temple Street	15	B	35	D	13	B	50	D	-2	NO	15	YES
37	Alameda Street	Temple Street	65	E	42	D	67	E	43	D	2	NO	1	NO
38	Los Angeles Street	1 st Street	16	B	70	E	15	B	120+	F	-1	NO	50+	YES
39	San Pedro Street	1 st Street	18	B	31	C	17	B	27	C	-1	NO	-4	NO
40	Central Ave	1 st Street	15	B	38	D	14	B	32	C	-1	NO	-6	NO
41	Alameda Street	1 st Street	51	D	21	C	52	D	20	B	1	NO	-1	NO

Source: Fehr & Peers, 2017

Figure 1 Future with Project (Including Unfunded ConnectUS) 2029 Scenario Significant Impacts AM Peak Hour



Freeway Analysis

As stated above, the roadway network changes compared to the roadway described in Section 3 are not expected to alter queuing on freeway ramps. Freeway ramp queuing is expected to follow similar patterns as described in Section 3. Queuing at the US-101 Northbound Ramp/Arcadia Street & Alameda Street are expected to exceed the storage length in some scenarios, as described in Section 3, which would constitute a significant impact.

Mitigation Measures

As the impacts under the Unfunded ConnectUS scenarios are the same as those described in Section 3, the potential mitigations would also be the same. Mitigation measures to address off-ramp queue exceedances typically include the following potential strategies:

- Off-ramp widening to provide additional queue storage
- Increase green time for the off-ramp to flush the queue more quickly on to city streets

The impacted off-ramp is physically constrained by the existing bus stop island immediately to the north of the ramp, and by a step grade down to the US-101 southbound lanes south of the ramp. Additionally, widening the off-ramp, which is currently four lanes wide, is considered infeasible because it would be inconsistent with the project's objective to enhance pedestrian and bicycle facilities. Roadway widening to accommodate a fifth off-ramp lane would increase pedestrian crossing distances and exposure to vehicle turning movements. Therefore no feasible physical mitigation is identified to mitigate this impact.

Increasing green time at this location for the off-ramp would worsen arterial intersection impacts on Alameda Street and connecting streets, because it would take green time away from Alameda Street. Due to the closely spaced arterial intersections, this further exacerbation of arterial queuing would worsen overall transportation network performance, and is therefore considered infeasible. Therefore, the significant impact is considered significant and unavoidable.

Pedestrian & Bicycle Paths

Impact Analysis

The project will enhance pedestrian and bicycle facilities in the study area by implementing an enhanced crossing across Alameda Street from the station to El Pueblo that will be raised and highly visible, while providing a dedicated crossing area for both pedestrians and cyclists.

The Alameda Esplanade will provide a wide multi-use path along the station's Alameda frontage to facilitate pedestrian and bicycle circulation.

These project features will substantially enhance pedestrian and bicycle facilities in the study area, and so will have a positive effect on these modes. Therefore, no significant impact is expected.

Mitigation Measures

No mitigation measures are required.

Mass Transit

Impact Analysis

The project will have similar effects on mass transit as those described in Section 3. The project will not affect bus stop locations, or any other transit stop facilities. Transit travel time is expected to be modestly affected by the project on most corridors within the study area, but these effects are not expected to materially affect impact transit schedule adherence or variability beyond typical levels. However, based on the increases to queuing on Los Angeles Street, transit travel times are expected to increase for bus routes that use Los Angeles Street. Transit travel time changes during the AM peak hour are expected to be minor, but during the PM peak hour, travel times will increase considerably due to queuing as a result of the project. The following routes could potentially be affected:

- Big Blue Bus Rapid 10
- LADOT DASH Downtown B
- LADOT Commuter Express 534
- Metro 442

Mitigation Measures

Reroute transit routes that operate on Los Angeles Street to avoid potential future queuing. Potential options could include rerouting from Los Angeles Street to Alameda Street via Aliso Street (northbound buses) or Arcadia Street (southbound buses). Under the project alternatives detailed in Section 5.6, similar rerouting will be required due to traffic movement changes at the Los Angeles Street & Alameda Street intersection. This rerouting would increase the route distance by approximately 500 feet from existing routing that uses Los Angeles Street, which is expected to have minor effects on transit run time, which could be addressed via periodic transit schedule updates. No bus stop locations would be affected by this rerouting. After mitigation, this impact would be less than significant.

Impact 3.6.3: Would the proposed project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Impact Analysis

This section presents an analysis of potential impacts on the regional transportation system. This analysis was conducted in accordance with the procedures outlined in *Congestion Management Program for Los Angeles County* (CMP) (Metro, 2010). The CMP requires that, when an environmental impact report is prepared for a project, traffic and transit impact

analyses be conducted for select regional facilities based on the quantity of project traffic expected to use those facilities.

Regional Traffic Impact Analysis

The CMP guidelines require that the first issue to be addressed is the determination of the geographic scope of the study area. The criteria for determining the study area for CMP arterial monitoring intersections and for freeway monitoring locations are:

- All CMP arterial monitoring intersections where the proposed project will add 50 or more trips during either the AM or PM peak hours of adjacent street traffic.
- All CMP mainline freeway monitoring locations where the proposed project will add 150 or more trips, in either direction, during either the AM or PM peak hours.

The closest CMP arterial monitoring station to the project site is at Alameda Street & Washington Boulevard located approximately three miles south of the project. Because the project is not expected to generate any trips, no further CMP arterial analysis is required.

Regional access to the project site is provided by US-101 immediately south of the project, I-5 approximately 1.5 miles to the east, and SR-110 approximately one mile to the north and west. The CMP freeway monitoring stations closest to the project site on US-101 is north of Vignes Street, on I-5 is at Stadium Way and on I-10 at the eastern City of Los Angeles limits. Because the project is not expected to generate any trips, no further CMP freeway analysis is required.

Regional Transit Impact Analysis

Potential increases in transit person trips generated by a project are typically estimated using the methodology outlined in Appendix D of the 2010 CMP, which recommends estimating the number of transit trips expected to result from a proposed project based on the projected number of vehicle trips and an average vehicle ridership (AVR), and then provides guidance regarding the percentage of person trips assigned to public transit depending on the land use type and the proximity to transit services. As this project will not generate new vehicle trips, under the methodology outlined in the CMP it will also not generate new transit trips, and so would not have an impact on transit. The project would also not materially affect transit travel time in the study area.

Based on the impact criteria above, the project is not expected to have any significant impacts.

Mitigation Measures

No mitigation measures are required.

Impact 3.6.3: Would the proposed project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

Impact Analysis

The project will have no effect on air traffic patterns.

Mitigation Measures

No mitigation measures are required.

Impact 3.6.4 Would the proposed project substantially increase hazards to a design feature or incompatible uses?

Impact Analysis

The project will enhance safety by widening sidewalks to accommodate pedestrians and cyclists, narrow pedestrian crossings, improving pedestrian and cyclist visibility in a high-visibility raised crosswalk, and will slow vehicle travel speeds via the lane repurposing on Alameda Street. Therefore, the project will enhance safety as a result of the project's design features.

Mitigation Measures

No mitigation measures are required.

Impact 3.6.5: Would the proposed project result in inadequate emergency access?

Impact Analysis

The project will retain access to the station on Alameda Street, and will not affect any other access locations, so is not expected to impact emergency access to the station site.

The Los Angeles Fire Department (LAFD) in collaboration with LADOT has developed a Fire Preemption System (FPS), a system that automatically turns traffic lights to green for emergency vehicles traveling on designated streets in the City. The City of Los Angeles has over 205 miles of routes equipped with FPS.

While the project would impact intersection level of service in the study area, there is not a direct relationship between predicted travel delay and response times as California state law does require drivers to yield the right-of-way to emergency vehicles and even permits emergency vehicles to use opposing lane of travel, the center turn lanes, or bus-only lanes. Emergency responders also routinely use the center left-turn lanes, or even travel in opposing travel lanes if needed. Generally, multi-lane roadways allow the emergency vehicles to travel at higher speeds and permit other traffic to maneuver out of the path of the emergency vehicle.

Mitigation Measures

No mitigation measures are required.

Impact 3.6.6: Would the proposed project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Impact Analysis

The proposed project is consistent with the Mobility Plan 2035 network, and other non-adopted but relevant plans, like the ConnectUS Action Plan, and the USMP. The proposed project will substantially enhance the safety and capacity of bicycle and pedestrian facilities around the station, and is therefore expected to have a positive impact on these facilities. The existing buffered bike lane on southbound Los Angeles Street would be retained, and a bicycle crossing would be added to provide direct bike access from the station to that facility.

Mitigation Measures

No mitigation measures are required.



1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso*** 	30. Alameda/Aliso

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso***</p>	<p>30. Alameda/Aliso</p>

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Project





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.



Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 1		Hill/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	11	11	99.1%	6.5	6.1	A
	Through	284	296	104.3%	6.2	1.5	A
	Right Turn	21	21	100.5%	4.4	2.7	A
	Subtotal	316	328	103.9%	6.1	1.2	A
SB	Left Turn	26	26	98.8%	9.4	5.3	A
	Through	743	769	103.4%	9.4	1.0	A
	Right Turn	10	10	97.0%	4.5	5.2	A
	Subtotal	779	804	103.2%	9.4	0.8	A
EB	Left Turn	1	1	80.0%	4.1	12.6	A
	Through	150	153	101.9%	24.8	4.2	C
	Right Turn	1	2	150.0%	4.9	13.8	A
	Subtotal	152	155	102.1%	24.7	4.3	C
WB	Left Turn	52	39	75.4%	29.2	2.8	C
	Through	785	584	74.4%	28.6	1.1	C
	Right Turn	41	29	70.5%	24.3	4.8	C
	Subtotal	878	652	74.2%	28.4	0.8	C
Total		2,125	1,939	91.3%	16.6	0.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	39	34	86.4%	12.4	5.6	B
	Through	351	326	92.8%	8.2	0.9	A
	Right Turn	42	52	122.9%	7.2	1.4	A
	Subtotal	432	411	95.1%	8.3	0.8	A
SB	Left Turn	98	45	45.8%	69.2	15.5	E
	Through	1,267	623	49.2%	86.6	11.7	F
	Right Turn	204	89	43.4%	65.9	8.1	E
	Subtotal	1,569	757	48.2%	83.2	11.0	F
EB	Left Turn	21	21	101.9%	51.5	12.1	D
	Through	149	154	103.1%	33.6	5.2	C
	Right Turn	27	23	86.7%	46.1	10.4	D
	Subtotal	197	198	100.7%	37.1	6.1	D
WB	Left Turn	177	152	85.6%	69.1	20.0	E
	Through	635	529	83.3%	47.5	4.8	D
	Right Turn	83	67	80.4%	37.1	10.5	D
	Subtotal	895	747	83.5%	51.8	8.3	D
Total		3,093	2,113	68.3%	52.3	5.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 3

Spring/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	24	18	74.6%	53.1	13.8	D
	Right Turn						
	Subtotal	24	18	74.6%	53.1	13.8	D
SB	Left Turn						
	Through	21	20	96.7%	42.9	10.3	D
	Right Turn						
	Subtotal	21	20	96.7%	42.9	10.3	D
EB	Left Turn	21	18	86.2%	43.8	18.2	D
	Through	248	214	86.3%	25.0	5.2	C
	Right Turn	15	12	77.3%	31.0	22.4	C
	Subtotal	284	244	85.8%	26.8	6.6	C
WB	Left Turn	10	10	96.0%	19.1	14.7	B
	Through	957	796	83.2%	37.8	8.7	D
	Right Turn	84	70	83.3%	25.6	6.4	C
	Subtotal	1,051	876	83.3%	36.6	8.2	D
Total		1,380	1,158	83.9%	34.6	5.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 4

Alameda/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	58	54	93.4%	35.8	11.3	D
	Through	380	379	99.6%	5.8	1.4	A
	Right Turn	12	11	92.5%	1.7	1.3	A
	Subtotal	450	444	98.6%	9.4	2.4	A
SB	Left Turn	171	161	93.9%	46.2	17.5	D
	Through	1,069	983	92.0%	58.1	21.9	E
	Right Turn	240	109	45.5%	1363.3	510.9	F
	Subtotal	1,480	1,253	84.6%	268.2	382.5	F
EB	Left Turn	61	60	98.5%	37.9	9.1	D
	Through	122	103	84.2%	6.1	1.7	A
	Right Turn	65	52	79.5%	2.7	0.9	A
	Subtotal	248	215	86.5%	14.2	4.0	B
WB	Left Turn	49	46	93.5%	57.5	13.6	E
	Through	753	720	95.6%	61.0	23.9	E
	Right Turn	164	154	94.0%	22.4	14.4	C
	Subtotal	966	920	95.2%	54.3	21.4	D
Total		3,144	2,831	90.0%	84.2	14.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 5 Main/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1	1	60.0%	14.4	30.2	B
	Through	200	156	78.2%	14.9	5.3	B
	Right Turn	42	31	74.3%	11.9	6.8	B
	Subtotal	243	188	77.4%	14.5	5.3	B
SB	Left Turn	227	227	99.9%	19.3	9.6	B
	Through	493	488	99.1%	22.1	19.4	C
	Right Turn	544	538	98.9%	31.8	34.4	C
	Subtotal	1,264	1,253	99.1%	25.5	23.0	C
EB	Left Turn	68	61	89.7%	47.6	10.3	D
	Through	232	209	90.2%	25.8	5.5	C
	Right Turn	5	5	92.0%	15.2	15.8	B
	Subtotal	305	275	90.1%	30.7	5.0	C
WB	Left Turn						
	Through	421	391	92.8%	42.0	16.1	D
	Right Turn	185	179	96.8%	32.2	12.4	C
	Subtotal	606	570	94.0%	39.2	14.3	D
Total		2,418	2,286	94.5%	28.3	15.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 6

Vignes/Bauchet

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	20	20	97.5%	8.3	6.1	A
	Through	609	561	92.1%	8.6	1.4	A
	Right Turn	164	150	91.5%	5.6	1.6	A
	Subtotal	793	731	92.1%	8.0	1.1	A
SB	Left Turn	61	59	97.0%	13.8	3.5	B
	Through	450	416	92.4%	9.5	1.9	A
	Right Turn	12	12	95.8%	7.1	4.8	A
	Subtotal	523	487	93.0%	9.9	1.8	A
EB	Left Turn	4	4	90.0%	18.4	10.6	B
	Through	4	4	90.0%	5.6	8.8	A
	Right Turn	6	7	110.0%	4.1	2.4	A
	Subtotal	14	14	98.6%	12.9	7.0	B
WB	Left Turn	123	124	101.1%	22.9	3.0	C
	Through	4	4	105.0%	17.8	19.4	B
	Right Turn	27	28	104.1%	4.8	1.4	A
	Subtotal	154	157	101.8%	19.4	2.6	B
Total		1,484	1,388	93.5%	10.1	0.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	217	225	103.5%	83.6	40.4	F
	Through	393	415	105.6%	27.8	3.6	C
	Right Turn	118	125	105.5%	5.8	0.8	A
	Subtotal	728	764	104.9%	40.9	13.3	D
SB	Left Turn	158	141	89.3%	46.3	5.5	D
	Through	418	376	89.8%	29.6	4.6	C
	Right Turn	33	31	92.4%	19.3	10.3	B
	Subtotal	609	547	89.8%	33.4	2.9	C
EB	Left Turn	57	54	95.3%	31.7	4.3	C
	Through	463	456	98.4%	28.7	2.4	C
	Right Turn	281	287	102.1%	16.2	2.6	B
	Subtotal	801	797	99.5%	24.4	2.1	C
WB	Left Turn	309	278	90.0%	27.5	9.5	C
	Through	1,264	1,097	86.8%	45.8	4.7	D
	Right Turn	339	292	86.0%	6.6	1.3	A
	Subtotal	1,912	1,667	87.2%	36.3	3.5	D
Total		4,050	3,775	93.2%	34.2	3.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 8

Lyon/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	6	8	136.7%	59.5	34.6	E
	Through						
	Right Turn	8	8	93.8%	6.2	2.6	A
	Subtotal	14	16	112.1%	32.7	15.8	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	721	702	97.4%	1.6	0.3	A
	Right Turn	18	19	105.6%	3.8	3.1	A
	Subtotal	739	721	97.6%	1.6	0.3	A
WB	Left Turn	6	5	90.0%	70.4	59.6	E
	Through	1,902	1,641	86.3%	159.7	29.6	F
	Right Turn	32	25	79.4%	128.9	24.5	F
	Subtotal	1,940	1,672	86.2%	159.0	29.4	F
Total		2,693	2,409	89.5%	109.4	19.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 9

Mission/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	265	245	92.5%	154.9	141.2	F
	Through	501	507	101.1%	22.7	1.6	C
	Right Turn	90	91	100.9%	3.2	0.9	A
	Subtotal	856	843	98.4%	59.1	38.0	E
SB	Left Turn	26	22	86.2%	143.2	27.2	F
	Through	1,021	845	82.7%	149.9	14.1	F
	Right Turn	738	623	84.5%	358.2	68.0	F
	Subtotal	1,785	1,490	83.5%	242.3	37.5	F
EB	Left Turn	286	290	101.4%	56.5	7.9	E
	Through	265	258	97.2%	56.7	11.6	E
	Right Turn	178	160	90.1%	33.7	12.2	C
	Subtotal	729	708	97.1%	51.2	9.9	D
WB	Left Turn	305	276	90.4%	264.2	61.5	F
	Through	937	847	90.4%	280.0	55.4	F
	Right Turn	8	7	87.5%	274.8	54.7	F
	Subtotal	1,250	1,130	90.4%	275.8	56.3	F
Total		4,620	4,171	90.3%	176.5	15.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 10

Alameda/Alhambra

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	11	10	93.6%	23.6	13.6	C
	Through	435	430	98.9%	7.7	1.3	A
	Right Turn						
	Subtotal	446	440	98.7%	8.2	1.4	A
SB	Left Turn						
	Through	1,180	1,091	92.5%	3.2	3.9	A
	Right Turn	3	3	100.0%	1.5	2.9	A
	Subtotal	1,183	1,094	92.5%	3.2	3.9	A
EB	Left Turn						
	Through						
	Right Turn	10	11	107.0%	6.0	2.8	A
	Subtotal	10	11	107.0%	6.0	2.8	A
WB	Left Turn	467	464	99.4%	23.0	3.5	C
	Through	16	15	92.5%	27.7	11.2	C
	Right Turn	15	14	94.0%	19.0	7.3	B
	Subtotal	498	493	99.0%	23.0	3.6	C
Total		2,137	2,038	95.4%	9.3	2.8	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	15	15	96.7%	8.4	6.0	A
	Through	276	295	107.0%	8.2	2.0	A
	Right Turn	22	22	99.5%	7.2	3.4	A
	Subtotal	313	332	106.0%	8.2	1.9	A
SB	Left Turn	42	46	109.0%	10.8	5.4	B
	Through	739	751	101.6%	9.0	2.6	A
	Right Turn	15	14	94.7%	10.7	11.0	B
	Subtotal	796	811	101.8%	9.2	2.6	A
EB	Left Turn	10	9	91.0%	21.4	15.2	C
	Through	76	76	99.6%	26.2	7.5	C
	Right Turn	10	11	105.0%	24.4	17.7	C
	Subtotal	96	95	99.3%	26.0	6.0	C
WB	Left Turn	46	36	78.3%	27.4	6.7	C
	Through	257	194	75.6%	25.3	4.9	C
	Right Turn	30	25	82.7%	6.9	3.1	A
	Subtotal	333	255	76.6%	23.6	3.7	C
Total		1,538	1,493	97.1%	12.6	1.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 12

Broadway/Ord

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	71	67	94.4%	23.6	9.4	C
	Through	385	357	92.8%	9.6	2.8	A
	Right Turn	74	68	92.2%	10.7	2.6	B
	Subtotal	530	492	92.9%	11.7	2.0	B
SB	Left Turn	83	61	73.7%	66.5	7.5	E
	Through	1,244	662	53.2%	79.0	8.6	E
	Right Turn	144	76	52.9%	66.9	10.8	E
	Subtotal	1,471	799	54.3%	77.0	8.7	E
EB	Left Turn	9	9	102.2%	48.3	23.5	D
	Through	90	92	101.7%	38.2	7.3	D
	Right Turn	41	42	103.2%	37.0	11.0	D
	Subtotal	140	143	102.1%	38.7	6.9	D
WB	Left Turn	64	49	75.9%	57.5	12.0	E
	Through	118	92	78.1%	51.7	5.4	D
	Right Turn	38	40	104.2%	38.2	7.5	D
	Subtotal	220	180	82.0%	50.2	5.3	D
Total		2,361	1,615	68.4%	50.1	3.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 13

Alameda/Main

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	535	485	90.7%	2.5	0.8	A
	Right Turn	45	38	84.9%	1.9	0.9	A
	Subtotal	580	523	90.2%	2.4	0.8	A
SB	Left Turn	34	31	91.5%	7.9	4.4	A
	Through	1,466	1,383	94.3%	18.6	4.2	B
	Right Turn						
	Subtotal	1,500	1,414	94.3%	18.3	4.1	B
EB	Left Turn	204	195	95.5%	29.7	2.3	C
	Through	47	44	93.4%	21.0	2.7	C
	Right Turn	16	18	111.3%	24.6	9.7	C
	Subtotal	267	257	96.1%	27.8	2.1	C
WB	Left Turn	21	20	97.1%	46.2	8.6	D
	Through						
	Right Turn	8	8	95.0%	5.0	2.0	A
	Subtotal	29	28	96.6%	36.2	8.6	D
Total		2,376	2,222	93.5%	16.0	2.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	128	124	97.0%	30.0	4.5	C
	Through	337	314	93.1%	26.7	4.4	C
	Right Turn	123	117	95.1%	16.1	4.7	B
	Subtotal	588	555	94.4%	25.0	3.2	C
SB	Left Turn	136	80	59.0%	84.0	8.3	F
	Through	840	460	54.8%	79.5	7.4	E
	Right Turn	373	212	56.9%	64.3	9.2	E
	Subtotal	1,349	753	55.8%	75.6	7.4	E
EB	Left Turn	139	138	99.1%	61.2	20.1	E
	Through	767	471	61.4%	22.9	1.9	C
	Right Turn	112	109	97.1%	15.6	3.4	B
	Subtotal	1,018	718	70.5%	29.4	4.7	C
WB	Left Turn	139	126	90.8%	11.2	4.0	B
	Through	1,435	1,251	87.2%	12.4	0.6	B
	Right Turn	54	41	75.9%	5.0	2.9	A
	Subtotal	1,628	1,418	87.1%	12.1	0.5	B
Total		4,583	3,443	75.1%	31.8	1.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	3	3	96.7%	19.1	41.3	B
	Through	349	314	90.0%	79.5	33.0	E
	Right Turn	170	143	84.2%	72.9	32.7	E
	Subtotal	522	460	88.2%	77.5	32.7	E
EB	Left Turn						
	Through	714	668	93.5%	9.0	0.9	A
	Right Turn	312	326	104.4%	6.3	2.6	A
	Subtotal	1,026	993	96.8%	8.1	1.1	A
WB	Left Turn	233	239	102.5%	52.1	4.3	D
	Through	1,458	1,235	84.7%	49.7	2.7	D
	Right Turn	17	13	77.6%	17.2	5.8	B
	Subtotal	1,708	1,487	87.1%	49.8	2.6	D
Total		3,256	2,941	90.3%	40.5	6.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 16

Main/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	146	135	92.7%	37.3	5.0	D
	Through	183	176	96.3%	33.2	3.2	C
	Right Turn	107	109	102.2%	19.4	6.7	B
	Subtotal	436	421	96.6%	30.8	3.0	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	70	66	93.6%	26.6	7.7	C
	Through	647	628	97.1%	3.3	0.7	A
	Right Turn						
	Subtotal	717	694	96.8%	5.5	1.3	A
WB	Left Turn						
	Through	1,546	1,324	85.7%	18.7	2.9	B
	Right Turn	14	15	105.7%	3.8	4.7	A
	Subtotal	1,560	1,339	85.8%	18.5	2.8	B
Total		2,713	2,454	90.5%	16.9	2.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	134	129	96.0%	100.8	61.6	F
	Through	450	412	91.5%	29.9	3.1	C
	Right Turn	172	163	95.0%	23.8	4.5	C
	Subtotal	756	704	93.1%	42.9	13.4	D
SB	Left Turn	99	99	99.9%	13.7	4.0	B
	Through	1,214	1,136	93.6%	27.3	5.7	C
	Right Turn	190	185	97.3%	29.5	7.4	C
	Subtotal	1,503	1,420	94.5%	26.6	5.5	C
EB	Left Turn	78	69	88.1%	12.0	8.0	B
	Through	549	556	101.2%	8.1	1.1	A
	Right Turn	127	122	96.2%	3.9	3.2	A
	Subtotal	754	746	99.0%	7.7	1.0	A
WB	Left Turn	164	142	86.5%	28.5	5.5	C
	Through	1,236	1,054	85.3%	57.6	6.0	E
	Right Turn	52	43	81.9%	41.8	10.3	D
	Subtotal	1,452	1,239	85.3%	53.9	5.3	D
Total		4,465	4,109	92.0%	34.2	3.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	57	55	96.8%	50.4	8.2	D
	Through						
	Right Turn	64	56	87.8%	16.4	1.9	B
	Subtotal	121	111	92.1%	33.6	7.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	737	738	100.1%	3.2	0.9	A
	Right Turn	83	80	96.5%	3.0	1.5	A
	Subtotal	820	818	99.7%	3.1	0.9	A
WB	Left Turn	84	67	79.5%	131.8	22.1	F
	Through	1,430	1,228	85.9%	169.2	19.3	F
	Right Turn						
	Subtotal	1,514	1,295	85.5%	167.4	19.2	F
Total		2,455	2,224	90.6%	99.4	7.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	614	552	89.9%	13.4	3.2	B
	Right Turn	123	105	85.7%	7.9	3.8	A
	Subtotal	737	658	89.2%	12.6	3.1	B
SB	Left Turn	61	66	107.5%	17.4	4.9	B
	Through	1,115	1,033	92.6%	28.4	25.5	C
	Right Turn	329	300	91.2%	22.8	16.4	C
	Subtotal	1,505	1,399	92.9%	26.8	22.3	C
EB	Left Turn	100	110	109.8%	28.7	1.9	C
	Through	56	52	93.6%	30.1	7.1	C
	Right Turn	20	20	99.0%	16.9	13.1	B
	Subtotal	176	182	103.4%	28.1	3.0	C
WB	Left Turn	115	104	90.0%	39.9	21.9	D
	Through	60	55	90.8%	28.8	7.1	C
	Right Turn	42	46	108.6%	6.2	1.1	A
	Subtotal	217	204	93.8%	30.2	12.6	C
Total		2,635	2,442	92.7%	23.2	14.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 20

Broadway/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	466	497	106.7%	13.7	1.7	B
	Right Turn						
	Subtotal	466	497	106.7%	13.7	1.7	B
SB	Left Turn						
	Through	762	484	63.5%	13.7	1.8	B
	Right Turn						
	Subtotal	762	484	63.5%	13.7	1.8	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	365	306	83.9%	19.8	4.0	B
	Through						
	Right Turn	829	693	83.6%	9.6	2.2	A
	Subtotal	1,194	1,000	83.7%	12.8	2.3	B
Total		2,422	1,981	81.8%	13.3	1.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn						
	Through	877	704	80.3%	48.6	11.2	D
	Right Turn	35	31	89.4%	20.1	9.6	C
	Subtotal	912	735	80.6%	47.5	11.2	D
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	529	488	92.2%	69.9	23.3	E
	Through	1,159	966	83.3%	34.4	7.3	C
	Right Turn						
	Subtotal	1,688	1,454	86.1%	46.7	12.6	D
Total		2,600	2,189	84.2%	46.8	10.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 22

Main/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	80	80	99.9%	22.6	15.0	C
	Through	355	355	100.0%	5.1	1.4	A
	Right Turn						
	Subtotal	435	435	100.0%	8.5	3.8	A
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn						
	Through	1,608	1,369	85.1%	41.2	13.0	D
	Right Turn	81	67	83.2%	30.5	7.7	C
	Subtotal	1,689	1,436	85.0%	40.7	12.7	D
Total		2,124	1,871	88.1%	32.7	9.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	88	87	99.3%	19.8	8.2	B
	Through	265	278	104.8%	6.1	1.6	A
	Right Turn						
	Subtotal	353	365	103.5%	9.4	3.1	A
SB	Left Turn						
	Through	347	317	91.4%	20.6	9.6	C
	Right Turn	38	33	87.9%	23.4	10.7	C
	Subtotal	385	351	91.1%	20.8	9.6	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	360	284	78.8%	53.6	14.5	D
	Through	1,563	1,323	84.6%	58.0	17.5	E
	Right Turn	71	56	79.3%	51.5	20.7	D
	Subtotal	1,994	1,663	83.4%	57.0	16.8	E
Total		2,732	2,378	87.1%	43.2	10.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	143	132	92.6%	95.4	35.3	F
	Through	849	777	91.5%	31.7	2.3	C
	Right Turn	50	83	165.4%	27.5	6.1	C
	Subtotal	1,042	992	95.2%	40.0	6.2	D
SB	Left Turn	13	32	244.6%	52.4	17.3	D
	Through	939	828	88.2%	86.3	28.9	F
	Right Turn	69	67	96.5%	87.3	38.7	F
	Subtotal	1,021	927	90.8%	85.3	28.9	F
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	484	382	78.9%	145.7	32.9	F
	Through	1,782	1,460	82.0%	142.9	34.2	F
	Right Turn	274	224	81.6%	141.1	28.3	F
	Subtotal	2,540	2,066	81.3%	143.3	33.0	F
Total		4,603	3,985	86.6%	102.6	19.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	93	92	98.6%	43.9	2.4	D
	Through	195	195	100.2%	26.6	3.5	C
	Right Turn	101	103	102.1%	6.7	1.7	A
	Subtotal	389	390	100.3%	25.3	2.2	C
SB	Left Turn	523	527	100.8%	58.6	5.7	E
	Through	189	242	128.3%	33.4	5.1	C
	Right Turn	353	258	73.0%	38.6	6.0	D
	Subtotal	1,065	1,027	96.4%	47.8	5.0	D
EB	Left Turn	235	273	116.0%	59.6	10.1	E
	Through	68	6	8.5%	11.1	6.8	B
	Right Turn	70	15	20.7%	19.2	6.8	B
	Subtotal	373	293	78.5%	57.0	9.8	E
WB	Left Turn	109	110	100.8%	36.6	3.2	D
	Through	149	175	117.7%	84.3	28.1	F
	Right Turn	373	376	100.8%	14.8	7.4	B
	Subtotal	631	661	104.8%	37.4	10.4	D
Total		2,458	2,371	96.5%	42.6	4.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 26

Broadway/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	331	367	111.0%	10.1	1.5	B
	Right Turn	83	88	106.5%	3.4	0.6	A
	Subtotal	414	456	110.1%	8.7	1.2	A
SB	Left Turn	144	101	70.1%	12.7	4.5	B
	Through	983	686	69.8%	8.7	0.9	A
	Right Turn						
	Subtotal	1,127	787	69.8%	9.2	1.2	A
EB	Left Turn	135	134	99.0%	27.1	4.5	C
	Through	279	280	100.3%	21.3	2.2	C
	Right Turn	163	172	105.7%	8.6	1.4	A
	Subtotal	577	586	101.5%	19.0	1.8	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,118	1,829	86.3%	12.3	1.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 27

Spring/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	171	150	88.0%	2.4	1.6	A
	Through	1,235	1,190	96.3%	20.5	2.8	C
	Right Turn						
	Subtotal	1,406	1,340	95.3%	18.4	2.4	B
EB	Left Turn						
	Through	309	288	93.1%	17.9	2.4	B
	Right Turn	197	180	91.2%	8.6	1.2	A
	Subtotal	506	467	92.4%	14.2	1.8	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,912	1,807	94.5%	17.3	1.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 28 Main/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	388	392	101.1%	8.8	2.9	A
	Right Turn	217	216	99.4%	17.7	14.8	B
	Subtotal	605	608	100.5%	12.1	7.4	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	47	42	90.2%	9.3	3.8	A
	Through	433	428	98.8%	15.4	7.6	B
	Right Turn						
	Subtotal	480	470	98.0%	14.8	7.0	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,085	1,078	99.4%	13.3	7.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	334	346	103.7%	16.0	1.8	B
	Right Turn	85	144	169.4%	16.9	3.5	B
	Subtotal	479	490	102.4%	16.3	1.6	B
SB	Left Turn						
	Through	707	600	84.9%	12.7	1.3	B
	Right Turn						
	Subtotal	707	600	84.9%	12.7	1.3	B
EB	Left Turn	252	256	101.6%	17.2	2.5	B
	Through	222	243	109.5%	30.5	3.8	C
	Right Turn	157	147	93.3%	32.4	5.1	C
	Subtotal	650	646	99.3%	25.9	2.2	C
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,836	1,737	94.6%	18.8	1.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 30

Alameda/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	777	710	91.3%	198.2	47.3	F
	Right Turn	158	154	97.3%	85.3	28.9	F
	Subtotal	935	863	92.3%	178.7	44.0	F
SB	Left Turn	200	171	85.7%	45.5	13.3	D
	Through	1,223	1,042	85.2%	15.4	1.8	B
	Right Turn						
	Subtotal	1,423	1,214	85.3%	19.7	2.8	B
EB	Left Turn	59	87	148.0%	38.9	8.9	D
	Through	66	68	102.9%	27.6	5.4	C
	Right Turn	157	150	95.8%	10.0	1.4	B
	Subtotal	282	306	108.4%	22.5	3.4	C
WB	Left Turn	149	141	94.3%	19.4	4.4	B
	Through						
	Right Turn	206	195	94.8%	39.8	18.0	D
	Subtotal	355	336	94.6%	31.3	9.8	C
Total		2,995	2,718	90.8%	72.6	12.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	13	13	100.8%	32.3	10.3	C
	Through	43	42	96.7%	32.3	7.7	C
	Right Turn	7	8	108.6%	9.1	5.0	A
	Subtotal	63	62	98.9%	28.6	6.3	C
SB	Left Turn	218	231	106.1%	34.8	9.0	C
	Through	63	65	103.7%	33.5	7.5	C
	Right Turn	200	194	96.8%	5.0	1.0	A
	Subtotal	481	490	101.9%	23.2	5.6	C
EB	Left Turn	271	249	91.8%	26.4	1.6	C
	Through	77	78	101.0%	20.0	4.2	C
	Right Turn	26	24	90.4%	8.8	3.5	A
	Subtotal	374	350	93.6%	23.7	1.7	C
WB	Left Turn	10	9	94.0%	18.5	11.3	B
	Through	122	108	88.7%	34.2	5.0	C
	Right Turn	176	168	95.7%	18.9	1.8	B
	Subtotal	308	286	92.9%	24.8	2.8	C
Total		1,226	1,189	96.9%	24.2	2.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 32

Broadway/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1	1	140.0%	16.7	23.0	B
	Through	363	404	111.4%	8.5	0.6	A
	Right Turn						
	Subtotal	364	406	111.5%	8.7	0.7	A
SB	Left Turn	55	40	72.5%	6.9	1.2	A
	Through	1,028	766	74.5%	7.1	0.6	A
	Right Turn	63	57	89.8%	9.7	1.6	A
	Subtotal	1,146	862	75.2%	7.2	0.6	A
EB	Left Turn	25	26	105.2%	31.5	4.8	C
	Through	585	611	104.4%	19.2	1.8	B
	Right Turn	154	149	96.7%	14.9	1.6	B
	Subtotal	764	786	102.8%	18.9	1.6	B
WB	Left Turn	79	64	80.4%	23.3	4.2	C
	Through	973	918	94.3%	16.3	1.3	B
	Right Turn	26	24	91.2%	15.6	3.0	B
	Subtotal	1,078	1,005	93.2%	16.8	1.2	B
Total		3,352	3,058	91.2%	13.7	0.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	59	50	85.4%	48.9	8.1	D
	Through	1,172	1,131	96.5%	49.7	8.9	D
	Right Turn	201	178	88.7%	44.0	8.0	D
	Subtotal	1,432	1,359	94.9%	48.9	7.5	D
EB	Left Turn						
	Through	499	525	105.3%	18.0	2.0	B
	Right Turn	141	137	96.8%	20.1	2.9	C
	Subtotal	640	662	103.4%	18.5	1.8	B
WB	Left Turn	113	114	100.5%	9.2	1.5	A
	Through	877	856	97.6%	8.9	0.9	A
	Right Turn						
	Subtotal	990	970	98.0%	8.9	0.9	A
Total		3,062	2,991	97.7%	29.6	3.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 34

Main/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	120	126	104.9%	20.8	3.6	C
	Through	457	472	103.2%	19.9	2.8	B
	Right Turn	174	179	102.9%	15.6	3.6	B
	Subtotal	751	777	103.4%	19.1	2.2	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	60	59	98.5%	14.3	1.7	B
	Through	498	512	102.9%	18.5	3.1	B
	Right Turn						
	Subtotal	558	571	102.4%	18.1	2.8	B
WB	Left Turn						
	Through	870	833	95.7%	14.6	1.5	B
	Right Turn	88	83	93.8%	13.8	3.5	B
	Subtotal	958	916	95.6%	14.5	1.4	B
Total		2,267	2,263	99.8%	17.0	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	75	73	97.2%	24.5	4.1	C
	Through	331	333	100.5%	12.1	1.9	B
	Right Turn	60	62	103.2%	18.1	4.1	B
	Subtotal	466	468	100.3%	14.9	2.0	B
SB	Left Turn	175	159	90.6%	26.1	3.4	C
	Through	872	779	89.3%	17.8	1.6	B
	Right Turn	86	88	102.6%	25.4	4.8	C
	Subtotal	1,133	1,026	90.5%	19.8	1.9	B
EB	Left Turn	31	45	146.1%	68.8	20.2	E
	Through	400	419	104.7%	24.9	3.5	C
	Right Turn	241	224	93.0%	29.5	6.2	C
	Subtotal	672	688	102.4%	29.1	4.6	C
WB	Left Turn	109	100	91.3%	41.0	4.4	D
	Through	797	754	94.6%	55.1	12.6	E
	Right Turn	117	112	95.3%	46.6	17.2	D
	Subtotal	1,023	965	94.3%	52.6	12.0	D
Total		3,294	3,147	95.5%	31.4	4.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	76	79	104.1%	26.1	7.7	C
	Through						
	Right Turn	42	58	138.8%	22.4	5.2	C
	Subtotal	118	137	116.4%	24.8	3.7	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	369	377	102.2%	10.4	2.8	B
	Right Turn	266	260	97.7%	15.4	4.0	B
	Subtotal	635	637	100.3%	12.3	2.3	B
WB	Left Turn	149	155	104.1%	19.5	4.1	B
	Through	947	886	93.6%	13.9	5.7	B
	Right Turn						
	Subtotal	1,096	1,041	95.0%	14.7	4.8	B
Total		1,849	1,816	98.2%	14.8	3.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 37

Alameda/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	240	225	93.7%	80.1	26.0	F
	Through	771	714	92.6%	145.8	52.2	F
	Second Right						
	Subtotal	1,011	939	92.8%	130.0	46.6	F
SB	Left Turn	67	57	85.1%	47.5	9.7	D
	Through	970	846	87.2%	33.4	3.7	C
	Second Right						
	Subtotal	1,529	1,335	87.3%	27.6	2.5	C
EB	Left Turn	95	103	107.9%	45.0	14.9	D
	Through	186	205	109.9%	23.2	2.1	C
	Second Right						
	Subtotal	411	432	105.2%	33.3	5.8	C
WB	Left Turn	28	26	94.3%	68.1	15.1	E
	Through	364	389	106.7%	75.2	10.4	E
	Second Right						
	Subtotal	461	488	105.7%	78.2	9.8	E
Total		3,412	3,193	93.6%	65.2	12.9	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	446	443	99.2%	16.1	1.9	B
	Right Turn						
	Subtotal	446	443	99.2%	16.1	1.9	B
SB	Left Turn	51	46	89.6%	21.5	5.4	C
	Through	1,017	916	90.1%	18.7	1.7	B
	Right Turn	154	142	91.9%	8.9	1.1	A
	Subtotal	1,222	1,104	90.3%	17.6	1.6	B
EB	Left Turn	10	12	123.0%	25.4	16.6	C
	Through	513	534	104.0%	15.0	1.1	B
	Right Turn	93	94	101.2%	7.7	0.8	A
	Subtotal	616	640	103.9%	14.1	1.0	B
WB	Left Turn	46	37	81.1%	21.2	5.5	C
	Through	787	787	99.9%	14.8	4.0	B
	Right Turn	10	9	91.0%	2.8	2.6	A
	Subtotal	843	833	98.8%	15.0	3.6	B
Total		3,127	3,019	96.5%	15.9	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	15	23	151.3%	33.8	8.1	C
	Through	98	102	103.9%	20.9	7.0	C
	Right Turn	21	20	94.3%	7.3	3.0	A
	Subtotal	134	144	107.7%	21.4	5.9	C
SB	Left Turn	15	13	85.3%	32.3	13.2	C
	Through	379	366	96.5%	23.5	3.8	C
	Right Turn	21	37	175.2%	34.8	7.3	C
	Subtotal	415	415	100.0%	24.6	3.9	C
EB	Left Turn	10	27	274.0%	34.7	6.4	C
	Through	539	536	99.5%	6.9	0.6	A
	Right Turn	15	16	108.0%	4.6	4.7	A
	Subtotal	564	580	102.8%	8.1	0.5	A
WB	Left Turn	33	32	97.3%	25.0	8.5	C
	Through	807	786	97.4%	20.3	7.3	C
	Right Turn	10	9	89.0%	11.5	7.5	B
	Subtotal	850	827	97.3%	20.5	7.2	C
Total		1,963	1,966	100.2%	17.9	3.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 40

Central/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	154	153	99.2%	22.9	4.0	C
	Through						
	Right Turn	12	12	100.0%	5.7	4.4	A
	Subtotal	166	165	99.2%	21.9	3.6	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	472	490	103.8%	18.7	1.8	B
	Right Turn	103	101	97.8%	13.2	2.2	B
	Subtotal	575	591	102.7%	17.8	1.7	B
WB	Left Turn	26	22	85.0%	12.2	5.9	B
	Through	696	692	99.5%	10.0	3.5	B
	Right Turn						
	Subtotal	722	714	98.9%	10.1	3.3	B
Total		1,463	1,470	100.5%	14.6	2.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
AM Peak Hour

Intersection 41

Alameda/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	4	4	107.5%	82.9	85.2	F
	Through	953	904	94.9%	126.3	60.9	F
	Right Turn	50	50	99.8%	77.8	44.8	E
	Subtotal	1,007	958	95.2%	123.8	59.8	F
SB	Left Turn	24	20	81.7%	39.8	14.0	D
	Through	913	810	88.7%	15.3	1.6	B
	Right Turn	191	166	87.1%	15.0	4.8	B
	Subtotal	1,128	996	88.3%	15.9	1.7	B
EB	Left Turn	31	30	97.7%	20.5	7.7	C
	Through	402	422	104.9%	12.9	1.8	B
	Right Turn	51	52	101.4%	12.4	2.9	B
	Subtotal	484	504	104.0%	13.4	1.4	B
WB	Left Turn						
	Through	527	541	102.6%	26.5	7.9	C
	Right Turn	27	28	103.0%	31.5	18.3	C
	Subtotal	554	569	102.6%	26.7	7.8	C
Total		3,173	3,026	95.4%	50.6	18.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 1		Hill/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	11	11	98.2%	8.0	10.4	A
	Through	284	295	103.9%	6.5	1.4	A
	Right Turn	21	21	100.0%	4.9	4.0	A
	Subtotal	316	327	103.4%	6.4	1.4	A
SB	Left Turn	26	26	98.5%	12.7	4.6	B
	Through	743	769	103.5%	9.6	1.6	A
	Right Turn	10	10	97.0%	9.6	5.9	A
	Subtotal	779	804	103.2%	9.7	1.6	A
EB	Left Turn	1	1	80.0%	5.3	16.7	A
	Through	150	153	101.9%	23.8	3.7	C
	Right Turn	1	2	150.0%	7.5	10.5	A
	Subtotal	152	155	102.1%	23.8	3.5	C
WB	Left Turn	52	39	74.4%	28.7	5.5	C
	Through	785	583	74.2%	28.7	1.1	C
	Right Turn	41	29	70.7%	25.2	3.5	C
	Subtotal	878	651	74.1%	28.5	1.2	C
Total		2,125	1,937	91.1%	16.8	1.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	39	32	81.5%	9.1	2.8	A
	Through	351	298	84.8%	7.5	1.2	A
	Right Turn	42	48	115.2%	3.3	1.3	A
	Subtotal	432	378	87.5%	7.3	1.1	A
SB	Left Turn	98	47	48.2%	69.4	10.8	E
	Through	1,267	647	51.0%	78.9	7.2	E
	Right Turn	204	91	44.7%	62.3	7.0	E
	Subtotal	1,569	785	50.0%	76.4	7.2	E
EB	Left Turn	21	21	101.9%	44.6	8.9	D
	Through	149	154	103.1%	31.5	2.4	C
	Right Turn	27	24	87.8%	41.4	12.3	D
	Subtotal	197	199	100.9%	33.9	2.9	C
WB	Left Turn	177	155	87.4%	67.1	23.6	E
	Through	635	527	83.0%	46.8	5.6	D
	Right Turn	83	66	79.9%	35.5	10.5	D
	Subtotal	895	748	83.6%	50.1	7.5	D
Total		3,093	2,110	68.2%	51.0	4.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	24	15	60.4%	57.5	18.0	E
	Right Turn						
	Subtotal	24	15	60.4%	57.5	18.0	E
SB	Left Turn						
	Through	21	19	89.0%	37.2	18.1	D
	Right Turn						
	Subtotal	21	19	89.0%	37.2	18.1	D
EB	Left Turn	21	18	86.2%	41.2	12.4	D
	Through	248	212	85.4%	23.4	3.3	C
	Right Turn	15	11	74.7%	24.0	12.8	C
	Subtotal	284	241	84.9%	25.1	4.4	C
WB	Left Turn	10	9	90.0%	31.1	18.6	C
	Through	957	790	82.5%	34.4	6.2	C
	Right Turn	84	69	82.5%	19.1	8.1	B
	Subtotal	1,051	868	82.6%	33.2	6.3	C
Total		1,380	1,142	82.8%	31.8	4.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	58	51	87.1%	24.7	9.6	C
	Through	392	353	90.2%	10.0	2.1	A
	Right Turn	12	10	86.7%	2.3	1.0	A
	Subtotal	462	414	89.7%	11.3	2.2	B
SB	Left Turn	171	152	88.9%	128.2	58.9	F
	Through	1,069	940	87.9%	168.6	75.1	F
	Right Turn	240	184	76.7%	596.3	339.8	F
	Subtotal	1,480	1,276	86.2%	232.3	73.6	F
EB	Left Turn	61	60	97.5%	21.3	6.6	C
	Through	122	101	83.0%	7.4	3.1	A
	Right Turn	65	51	78.3%	33.7	35.5	C
	Subtotal	248	212	85.4%	17.2	8.1	B
WB	Left Turn	49	40	82.0%	76.9	24.7	E
	Through	753	636	84.4%	33.6	18.9	C
	Right Turn	164	137	83.2%	9.7	9.5	A
	Subtotal	966	812	84.1%	31.5	16.3	C
Total		3,156	2,715	86.0%	121.5	25.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 5		Main/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1	1	60.0%	0.9	2.8	A
	Through	217	144	66.3%	13.2	3.6	B
	Right Turn	42	28	65.7%	7.9	5.9	A
	Subtotal	260	172	66.2%	12.3	3.9	B
SB	Left Turn	227	174	76.6%	122.4	53.4	F
	Through	493	364	73.8%	233.2	102.4	F
	Right Turn	544	411	75.6%	194.9	79.1	F
	Subtotal	1,264	949	75.0%	197.3	82.7	F
EB	Left Turn	68	59	86.3%	43.3	6.7	D
	Through	232	201	86.8%	24.3	4.0	C
	Right Turn	5	4	88.0%	68.1	99.2	E
	Subtotal	305	264	86.7%	29.7	3.5	C
WB	Left Turn						
	Through	421	399	94.8%	36.9	8.5	D
	Right Turn	185	181	98.0%	26.2	6.4	C
	Subtotal	606	580	95.8%	33.7	7.9	C
Total		2,435	1,965	80.7%	96.8	30.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 6

Vignes/Bauchet

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	20	20	99.0%	9.1	5.6	A
	Through	609	573	94.1%	10.2	0.9	B
	Right Turn	164	152	92.7%	5.7	1.3	A
	Subtotal	793	745	93.9%	9.3	0.8	A
SB	Left Turn	61	53	86.2%	11.5	3.9	B
	Through	450	363	80.6%	9.0	0.6	A
	Right Turn	12	10	82.5%	4.8	5.3	A
	Subtotal	523	425	81.3%	9.2	0.8	A
EB	Left Turn	4	4	90.0%	7.0	9.1	A
	Through	4	4	90.0%	10.9	15.1	B
	Right Turn	6	7	110.0%	5.4	3.2	A
	Subtotal	14	14	98.6%	10.4	4.5	B
WB	Left Turn	123	124	101.1%	21.0	4.3	C
	Through	4	4	105.0%	5.3	8.0	A
	Right Turn	27	28	104.1%	5.0	1.8	A
	Subtotal	154	157	101.8%	18.1	4.3	B
Total		1,484	1,341	90.3%	10.4	0.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	217	218	100.5%	64.0	39.8	E
	Through	393	412	104.9%	25.5	2.6	C
	Right Turn	118	123	104.5%	6.3	1.4	A
	Subtotal	728	754	103.5%	33.7	12.0	C
SB	Left Turn	158	128	80.9%	48.9	6.4	D
	Through	418	338	80.8%	26.7	6.1	C
	Right Turn	33	28	86.1%	16.9	8.8	B
	Subtotal	609	494	81.1%	31.6	5.1	C
EB	Left Turn	57	50	87.9%	28.0	3.7	C
	Through	463	429	92.7%	31.0	2.6	C
	Right Turn	281	261	93.0%	15.6	2.6	B
	Subtotal	801	740	92.4%	25.4	2.5	C
WB	Left Turn	309	301	97.5%	25.7	4.1	C
	Through	1,264	1,197	94.7%	34.3	5.8	C
	Right Turn	339	313	92.4%	6.0	1.6	A
	Subtotal	1,912	1,811	94.7%	28.3	3.7	C
Total		4,050	3,800	93.8%	29.2	4.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	6	8	136.7%	46.3	23.7	D
	Through						
	Right Turn	8	8	93.8%	5.7	2.1	A
	Subtotal	14	16	112.1%	26.7	14.2	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	721	663	91.9%	1.5	0.2	A
	Right Turn	18	18	97.2%	5.4	4.3	A
	Subtotal	739	680	92.0%	1.6	0.2	A
WB	Left Turn	6	6	95.0%	31.2	40.7	C
	Through	1,902	1,786	93.9%	70.5	53.6	E
	Right Turn	32	27	84.1%	49.0	44.9	D
	Subtotal	1,940	1,819	93.8%	70.2	53.5	E
Total		2,693	2,515	93.4%	50.9	37.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	265	252	95.1%	55.6	27.9	E
	Through	501	507	101.1%	22.5	1.8	C
	Right Turn	90	91	100.9%	2.9	0.8	A
	Subtotal	856	850	99.3%	29.4	6.8	C
SB	Left Turn	26	24	90.8%	151.1	31.8	F
	Through	1,021	924	90.5%	155.7	22.9	F
	Right Turn	738	698	94.6%	237.4	33.4	F
	Subtotal	1,785	1,646	92.2%	191.6	14.6	F
EB	Left Turn	286	277	96.7%	51.8	4.7	D
	Through	265	241	90.9%	55.7	10.3	E
	Right Turn	178	150	84.2%	30.3	8.5	C
	Subtotal	729	667	91.6%	48.2	7.3	D
WB	Left Turn	305	289	94.7%	211.6	69.9	F
	Through	937	888	94.7%	208.8	65.6	F
	Right Turn	8	7	88.8%	208.6	76.0	F
	Subtotal	1,250	1,184	94.7%	209.4	66.6	F
Total		4,620	4,346	94.1%	142.9	19.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 10 Alameda/Alhambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	11	10	91.8%	17.0	15.9	B
	Through	447	403	90.2%	6.7	1.1	A
	Right Turn						
	Subtotal	458	413	90.3%	7.0	1.0	A
SB	Left Turn						
	Through	1,180	1,012	85.7%	98.4	45.4	F
	Right Turn	3	3	113.3%	26.7	35.2	C
	Subtotal	1,183	1,015	85.8%	98.3	45.4	F
EB	Left Turn						
	Through						
	Right Turn	10	11	107.0%	18.5	10.9	B
	Subtotal	10	11	107.0%	18.5	10.9	B
WB	Left Turn	467	329	70.4%	333.8	134.4	F
	Through	16	10	61.9%	320.8	121.5	F
	Right Turn	15	11	72.0%	273.5	174.3	F
	Subtotal	498	350	70.2%	332.8	134.0	F
Total		2,149	1,789	83.2%	114.0	41.0	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 11		Hill/Ord			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	15	15	96.7%	9.7	7.5	A
	Through	276	295	107.0%	8.7	2.3	A
	Right Turn	22	22	99.5%	6.9	2.7	A
	Subtotal	313	332	106.0%	8.7	2.2	A
SB	Left Turn	42	46	109.0%	10.3	4.7	B
	Through	739	750	101.5%	8.9	3.5	A
	Right Turn	15	14	94.7%	11.1	10.6	B
	Subtotal	796	810	101.7%	9.1	3.5	A
EB	Left Turn	10	9	91.0%	20.5	15.0	C
	Through	76	76	99.7%	24.5	9.2	C
	Right Turn	10	11	105.0%	23.9	16.9	C
	Subtotal	96	95	99.4%	24.6	6.8	C
WB	Left Turn	46	33	71.5%	27.2	7.5	C
	Through	257	181	70.3%	24.9	4.5	C
	Right Turn	30	23	77.7%	6.9	2.2	A
	Subtotal	333	237	71.1%	23.2	4.0	C
Total		1,538	1,474	95.8%	12.5	2.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 12 Broadway/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	71	60	84.6%	15.1	5.1	B
	Through	385	328	85.3%	7.5	1.3	A
	Right Turn	74	61	81.9%	8.4	2.8	A
	Subtotal	530	449	84.7%	8.7	1.6	A
SB	Left Turn	83	68	81.8%	64.1	7.5	E
	Through	1,244	679	54.6%	74.3	8.0	E
	Right Turn	144	78	53.8%	59.9	7.7	E
	Subtotal	1,471	825	56.1%	72.3	7.2	E
EB	Left Turn	9	9	102.2%	29.8	26.4	C
	Through	90	91	100.8%	42.0	8.8	D
	Right Turn	41	42	102.0%	41.8	11.3	D
	Subtotal	140	142	101.2%	41.5	8.8	D
WB	Left Turn	64	41	64.5%	57.3	11.8	E
	Through	118	78	66.3%	59.6	37.0	E
	Right Turn	38	34	89.5%	47.0	31.2	D
	Subtotal	220	154	69.8%	57.6	31.1	E
Total		2,361	1,569	66.5%	50.4	4.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 13

Alameda/Main

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	564	446	79.0%	6.9	1.5	A
	Right Turn	45	35	78.7%	3.6	2.4	A
	Subtotal	609	481	79.0%	6.7	1.4	A
SB	Left Turn	34	26	77.6%	11.9	5.7	B
	Through	1,466	1,169	79.7%	38.3	7.2	D
	Right Turn						
	Subtotal	1,500	1,195	79.7%	37.8	7.1	D
EB	Left Turn	204	187	91.7%	29.0	2.6	C
	Through	47	42	88.3%	22.8	4.6	C
	Right Turn	16	19	119.4%	39.3	18.5	D
	Subtotal	267	248	92.7%	28.8	2.8	C
WB	Left Turn	21	20	97.1%	55.3	16.0	E
	Through						
	Right Turn	8	8	95.0%	4.9	1.9	A
	Subtotal	29	28	96.6%	43.0	12.8	D
Total		2,405	1,952	81.1%	28.5	3.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	128	108	84.0%	30.5	5.3	C
	Through	337	271	80.5%	23.4	2.6	C
	Right Turn	123	101	82.0%	12.4	2.5	B
	Subtotal	588	480	81.6%	22.9	2.2	C
SB	Left Turn	136	81	59.6%	85.7	11.8	F
	Through	840	466	55.4%	77.6	5.4	E
	Right Turn	373	214	57.3%	63.3	4.2	E
	Subtotal	1,349	760	56.4%	74.3	5.2	E
EB	Left Turn	139	137	98.4%	51.4	8.6	D
	Through	767	472	61.5%	21.2	3.1	C
	Right Turn	112	109	97.2%	13.4	4.9	B
	Subtotal	1,018	718	70.5%	26.2	3.6	C
WB	Left Turn	139	126	90.9%	14.1	6.0	B
	Through	1,435	1,247	86.9%	11.7	0.6	B
	Right Turn	54	41	76.5%	4.5	2.7	A
	Subtotal	1,628	1,415	86.9%	11.7	0.9	B
Total		4,583	3,372	73.6%	30.4	1.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	3	3	96.7%	27.4	43.9	C
	Through	349	301	86.1%	66.7	26.5	E
	Right Turn	170	137	80.3%	61.9	27.8	E
	Subtotal	522	440	84.3%	65.0	26.6	E
EB	Left Turn						
	Through	714	653	91.4%	8.2	1.2	A
	Right Turn	312	326	104.5%	4.4	1.7	A
	Subtotal	1,026	979	95.4%	6.9	1.1	A
WB	Left Turn	233	244	104.5%	53.5	3.4	D
	Through	1,458	1,247	85.6%	51.9	3.3	D
	Right Turn	17	13	78.8%	20.4	6.4	C
	Subtotal	1,708	1,504	88.1%	51.9	3.2	D
Total		3,256	2,923	89.8%	38.9	5.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 16

Main/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	146	128	87.6%	39.0	3.1	D
	Through	183	168	91.9%	31.9	5.8	C
	Right Turn	107	105	97.9%	20.2	9.3	C
	Subtotal	436	401	91.9%	31.1	4.6	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	70	64	91.1%	32.3	11.3	C
	Through	647	615	95.1%	3.5	0.9	A
	Right Turn						
	Subtotal	717	679	94.7%	6.2	1.9	A
WB	Left Turn						
	Through	1,546	1,346	87.0%	18.0	2.7	B
	Right Turn	14	16	114.3%	8.1	3.8	A
	Subtotal	1,560	1,362	87.3%	17.9	2.7	B
Total		2,713	2,442	90.0%	16.7	1.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	145	123	85.0%	95.2	52.4	F
	Through	501	407	81.3%	22.3	4.7	C
	Right Turn	181	188	104.0%	23.7	5.7	C
	Subtotal	827	719	86.9%	35.6	10.5	D
SB	Left Turn	99	86	86.6%	19.2	5.7	B
	Through	1,214	963	79.3%	51.6	11.6	D
	Right Turn	190	156	82.3%	36.3	7.7	D
	Subtotal	1,503	1,205	80.2%	47.4	10.5	D
EB	Left Turn	78	68	87.2%	14.0	9.6	B
	Through	549	543	98.8%	8.4	2.2	A
	Right Turn	127	120	94.3%	6.3	2.3	A
	Subtotal	754	730	96.9%	8.6	1.9	A
WB	Left Turn	164	152	92.9%	34.1	4.8	C
	Through	1,225	1,115	91.0%	53.3	5.5	D
	Right Turn	30	19	64.0%	43.7	11.8	D
	Subtotal	1,419	1,286	90.7%	50.9	5.2	D
Total		4,503	3,940	87.5%	39.1	5.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	24	4	15.0%	30.2	27.8	C
	Through						
	Right Turn	55	5	8.7%	12.7	7.5	B
	Subtotal	79	8	10.6%	27.9	13.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	746	737	98.8%	1.0	0.2	A
	Right Turn	83	76	91.6%	1.6	0.8	A
	Subtotal	829	813	98.1%	1.1	0.2	A
WB	Left Turn	84	66	78.2%	89.7	43.2	F
	Through	1,430	1,334	93.3%	120.9	51.7	F
	Right Turn						
	Subtotal	1,514	1,399	92.4%	119.6	51.2	F
Total		2,422	2,221	91.7%	75.4	31.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	697	586	84.0%	37.2	4.4	D
	Right Turn	40	19	48.5%	17.5	7.1	B
	Subtotal	737	605	82.1%	36.5	4.5	D
SB	Left Turn	61	59	97.2%	83.1	10.1	F
	Through	1,115	905	81.1%	73.7	18.0	E
	Right Turn	329	267	81.3%	77.4	17.1	E
	Subtotal	1,505	1,231	81.8%	75.0	16.9	E
EB	Left Turn	100	103	102.5%	57.0	2.7	E
	Through	56	49	87.7%	71.2	24.6	E
	Right Turn	20	18	92.0%	79.8	34.2	E
	Subtotal	176	170	96.6%	65.2	13.0	E
WB	Left Turn	111	86	77.0%	26.9	6.0	C
	Through	60	55	90.8%	21.6	4.8	C
	Right Turn	30	45	149.0%	40.4	9.2	D
	Subtotal	201	185	91.9%	28.6	3.9	C
Total		2,619	2,191	83.7%	59.3	9.9	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 20 Broadway/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	466	497	106.6%	11.6	1.4	B
	Right Turn						
	Subtotal	466	497	106.6%	11.6	1.4	B
SB	Left Turn						
	Through	762	489	64.2%	11.0	1.5	B
	Right Turn						
	Subtotal	762	489	64.2%	11.0	1.5	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	365	227	62.3%	21.4	2.8	C
	Through						
	Right Turn	829	525	63.4%	7.1	0.7	A
	Subtotal	1,194	753	63.0%	11.4	1.3	B
Total		2,422	1,739	71.8%	11.4	0.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn						
	Through	877	701	79.9%	25.4	2.6	C
	Right Turn	35	31	88.0%	6.6	2.8	A
	Subtotal	912	732	80.2%	24.5	2.5	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	529	386	73.0%	31.2	5.2	C
	Through	1,159	721	62.2%	31.4	3.8	C
	Right Turn						
	Subtotal	1,688	1,108	65.6%	31.3	4.2	C
Total		2,600	1,839	70.7%	28.6	2.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 22 Main/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	80	79	99.3%	8.6	4.7	A
	Through	355	354	99.7%	5.3	0.8	A
	Right Turn						
	Subtotal	435	433	99.6%	5.9	1.3	A
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn						
	Through	1,608	1,021	63.5%	24.2	3.6	C
	Right Turn	81	48	59.4%	21.3	4.6	C
	Subtotal	1,689	1,069	63.3%	24.1	3.6	C
Total		2,124	1,502	70.7%	18.8	2.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	88	87	98.4%	13.6	5.3	B
	Through	265	275	103.8%	5.4	2.2	A
	Right Turn						
	Subtotal	353	362	102.4%	7.3	2.4	A
SB	Left Turn						
	Through	347	286	82.5%	22.9	2.2	C
	Right Turn	38	31	81.1%	25.6	7.3	C
	Subtotal	385	317	82.3%	23.2	2.6	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	360	202	56.0%	36.8	3.9	D
	Through	1,563	956	61.2%	43.1	3.5	D
	Right Turn	71	39	55.5%	46.9	18.0	D
	Subtotal	1,994	1,197	60.0%	42.2	3.5	D
Total		2,732	1,876	68.7%	32.2	2.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	143	128	89.8%	113.5	50.7	F
	Through	849	778	91.7%	31.9	2.8	C
	Right Turn	50	82	164.8%	27.5	3.9	C
	Subtotal	1,042	989	94.9%	42.9	9.0	D
SB	Left Turn	13	29	225.4%	55.4	10.3	E
	Through	939	722	76.9%	78.5	12.2	E
	Right Turn	69	56	80.4%	77.2	22.5	E
	Subtotal	1,021	807	79.0%	77.6	12.4	E
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	484	265	54.7%	180.8	20.2	F
	Through	1,782	1,010	56.7%	225.3	14.8	F
	Right Turn	274	143	52.1%	220.3	19.1	F
	Subtotal	2,540	1,417	55.8%	216.4	16.2	F
Total		4,603	3,213	69.8%	127.4	10.0	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	93	93	99.5%	42.8	6.3	D
	Through	264	208	78.8%	25.5	2.7	C
	Right Turn	101	102	101.3%	6.2	1.7	A
	Subtotal	458	403	87.9%	24.4	2.1	C
SB	Left Turn	591	510	86.2%	56.6	6.6	E
	Through	302	254	84.1%	31.8	4.3	C
	Right Turn	353	251	71.0%	35.1	6.6	D
	Subtotal	1,246	1,014	81.4%	45.3	4.6	D
EB	Left Turn	235	270	114.9%	55.3	8.9	E
	Through						
	Right Turn						
	Subtotal	235	270	114.9%	55.3	8.9	E
WB	Left Turn	109	109	100.1%	35.0	6.7	C
	Through	149	174	116.8%	76.8	19.3	E
	Right Turn	373	374	100.2%	12.7	1.3	B
	Subtotal	631	657	104.1%	33.7	7.2	C
Total		2,570	2,344	91.2%	39.9	3.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 26

Broadway/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	331	366	110.5%	9.5	1.5	A
	Right Turn	83	88	106.4%	3.7	0.8	A
	Subtotal	414	454	109.7%	8.4	1.3	A
SB	Left Turn	144	93	64.6%	11.5	3.4	B
	Through	983	621	63.1%	7.9	1.3	A
	Right Turn						
	Subtotal	1,127	714	63.3%	8.4	1.3	A
EB	Left Turn	135	134	99.1%	27.0	5.3	C
	Through	279	280	100.4%	22.4	2.5	C
	Right Turn	163	172	105.7%	7.3	1.3	A
	Subtotal	577	586	101.6%	19.0	1.7	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,118	1,754	82.8%	11.8	1.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 27

Spring/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	171	150	88.0%	1.1	0.5	A
	Through	1,235	1,085	87.8%	11.7	2.3	B
	Right Turn						
	Subtotal	1,406	1,235	87.8%	10.4	2.1	B
EB	Left Turn						
	Through	309	283	91.6%	19.8	2.2	B
	Right Turn	197	176	89.5%	9.0	1.9	A
	Subtotal	506	459	90.8%	15.5	1.9	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,912	1,694	88.6%	11.7	1.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 28 Main/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	388	390	100.4%	8.2	2.8	A
	Right Turn	217	218	100.3%	18.1	7.2	B
	Subtotal	605	607	100.4%	12.0	2.7	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	47	43	90.6%	8.8	4.2	A
	Through	433	422	97.5%	14.4	3.6	B
	Right Turn						
	Subtotal	480	465	96.8%	14.0	3.2	B
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,085	1,072	98.8%	12.7	2.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	334	343	102.7%	15.5	1.2	B
	Right Turn	85	148	173.8%	16.8	3.3	B
	Subtotal	479	491	102.4%	15.9	0.9	B
SB	Left Turn						
	Through	707	488	69.1%	11.4	1.2	B
	Right Turn						
	Subtotal	707	488	69.1%	11.4	1.2	B
EB	Left Turn	252	256	101.4%	18.4	1.9	B
	Through	222	241	108.5%	33.4	4.1	C
	Right Turn	157	145	92.5%	30.7	3.8	C
	Subtotal	650	642	98.7%	26.4	2.0	C
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,836	1,621	88.3%	18.8	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 30

Alameda/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	777	700	90.0%	210.9	39.3	F
	Right Turn	158	158	100.0%	84.4	23.1	F
	Subtotal	935	858	91.7%	187.7	37.4	F
SB	Left Turn	200	142	70.8%	40.1	7.7	D
	Through	1,223	848	69.3%	15.6	1.7	B
	Right Turn						
	Subtotal	1,423	989	69.5%	19.1	2.3	B
EB	Left Turn	59	94	159.5%	39.4	7.0	D
	Through	66	67	101.5%	25.9	4.7	C
	Right Turn	157	148	94.5%	8.5	1.2	A
	Subtotal	282	309	109.7%	22.6	2.7	C
WB	Left Turn	149	139	93.6%	19.5	2.3	B
	Through						
	Right Turn	206	194	94.4%	47.7	13.2	D
	Subtotal	355	334	94.0%	35.9	9.1	D
Total		2,995	2,490	83.1%	80.8	10.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	13	13	100.8%	33.2	9.8	C
	Through	43	42	96.7%	32.9	6.4	C
	Right Turn	7	8	108.6%	8.1	4.1	A
	Subtotal	63	62	98.9%	30.2	6.0	C
SB	Left Turn	218	232	106.2%	32.7	6.8	C
	Through	63	65	103.8%	31.3	7.6	C
	Right Turn	200	194	96.8%	5.5	1.5	A
	Subtotal	481	491	102.0%	21.8	4.4	C
EB	Left Turn	271	232	85.5%	27.3	4.3	C
	Through	77	72	93.2%	18.5	4.9	B
	Right Turn	26	23	87.3%	8.7	4.1	A
	Subtotal	374	326	87.2%	24.0	4.0	C
WB	Left Turn	10	9	93.0%	29.1	11.2	C
	Through	122	106	86.6%	35.2	5.9	D
	Right Turn	176	164	93.0%	19.9	2.7	B
	Subtotal	308	279	90.4%	26.4	3.8	C
Total		1,226	1,157	94.4%	24.1	3.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 32

Broadway/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1	1	140.0%	15.4	20.7	B
	Through	363	404	111.4%	8.4	0.6	A
	Right Turn						
	Subtotal	364	406	111.5%	8.5	0.6	A
SB	Left Turn	55	37	67.1%	7.4	2.9	A
	Through	1,028	707	68.7%	7.3	0.7	A
	Right Turn	63	53	84.8%	10.0	2.6	B
	Subtotal	1,146	797	69.5%	7.5	0.7	A
EB	Left Turn	25	26	105.2%	29.7	2.9	C
	Through	585	610	104.3%	19.3	1.4	B
	Right Turn	154	149	96.8%	14.4	2.0	B
	Subtotal	764	786	102.8%	18.8	1.2	B
WB	Left Turn	79	60	75.9%	28.6	7.5	C
	Through	973	872	89.6%	17.4	1.0	B
	Right Turn	26	22	85.8%	12.7	4.9	B
	Subtotal	1,078	954	88.5%	18.0	1.0	B
Total		3,352	2,943	87.8%	14.1	0.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	59	45	75.6%	30.9	12.2	C
	Through	1,172	1,049	89.5%	30.8	13.3	C
	Right Turn	201	164	81.4%	31.4	9.5	C
	Subtotal	1,432	1,257	87.8%	30.8	12.5	C
EB	Left Turn						
	Through	499	523	104.9%	19.7	2.5	B
	Right Turn	141	136	96.4%	20.9	3.6	C
	Subtotal	640	659	103.0%	20.0	2.5	B
WB	Left Turn	113	109	96.3%	9.4	2.7	A
	Through	877	818	93.3%	9.4	1.9	A
	Right Turn						
	Subtotal	990	927	93.6%	9.5	1.7	A
Total		3,062	2,844	92.9%	21.6	5.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 34 Main/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	120	126	104.9%	18.6	3.9	B
	Through	457	474	103.6%	19.0	2.3	B
	Right Turn	174	179	102.8%	16.1	5.0	B
	Subtotal	751	778	103.6%	18.2	2.1	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	60	58	97.3%	15.9	3.9	B
	Through	498	506	101.6%	20.7	5.4	C
	Right Turn						
	Subtotal	558	565	101.2%	20.1	5.2	C
WB	Left Turn						
	Through	870	790	90.8%	13.2	2.1	B
	Right Turn	88	79	90.1%	15.2	3.8	B
	Subtotal	958	870	90.8%	13.4	2.2	B
Total		2,267	2,212	97.6%	16.8	1.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	75	73	96.8%	23.9	7.9	C
	Through	331	338	102.1%	12.1	1.8	B
	Right Turn	60	62	102.7%	18.4	4.1	B
	Subtotal	466	472	101.3%	14.9	2.4	B
SB	Left Turn	175	142	81.0%	25.0	4.8	C
	Through	872	693	79.4%	18.5	3.9	B
	Right Turn	86	79	91.5%	24.0	6.0	C
	Subtotal	1,133	913	80.6%	20.0	3.7	C
EB	Left Turn	31	45	144.8%	54.9	17.9	D
	Through	400	416	103.9%	24.1	2.0	C
	Right Turn	241	222	91.9%	27.3	6.0	C
	Subtotal	672	682	101.5%	27.1	2.0	C
WB	Left Turn	109	94	86.2%	38.2	3.0	D
	Through	797	718	90.0%	46.3	8.6	D
	Right Turn	117	107	91.5%	36.9	12.0	D
	Subtotal	1,023	919	89.8%	44.5	8.3	D
Total		3,294	2,986	90.6%	28.4	2.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	76	79	103.8%	22.9	6.2	C
	Through						
	Right Turn	42	52	123.8%	19.8	4.2	B
	Subtotal	118	131	110.9%	21.6	3.9	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	369	364	98.6%	9.6	2.9	A
	Right Turn	266	251	94.3%	16.2	4.7	B
	Subtotal	635	615	96.8%	12.5	3.2	B
WB	Left Turn	149	148	99.3%	19.7	4.8	B
	Through	947	837	88.3%	10.6	2.6	B
	Right Turn						
	Subtotal	1,096	985	89.8%	12.0	2.6	B
Total		1,849	1,730	93.6%	13.0	2.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 37

Alameda/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	240	229	95.3%	83.0	28.4	F
	Through	771	727	94.3%	149.2	57.5	F
	Second Right						
	Subtotal	1,011	956	94.5%	133.2	50.5	F
SB	Left Turn	67	48	71.5%	45.5	8.4	D
	Through	970	724	74.6%	29.0	2.9	C
	Second Right						
	Subtotal	1,529	1,139	74.5%	23.9	2.1	C
EB	Left Turn	95	95	99.8%	36.4	12.7	D
	Through	186	199	106.9%	20.6	3.3	C
	Second Right						
	Subtotal	411	414	100.6%	28.6	4.9	C
WB	Left Turn	28	26	94.3%	68.3	14.5	E
	Through	364	390	107.1%	74.5	10.4	E
	Second Right						
	Subtotal	461	489	106.1%	78.3	10.5	E
Total		3,412	2,998	87.9%	66.9	13.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	446	443	99.2%	15.3	1.5	B
	Right Turn						
	Subtotal	446	443	99.2%	15.3	1.5	B
SB	Left Turn	51	41	79.8%	21.9	7.4	C
	Through	1,017	836	82.2%	17.9	1.8	B
	Right Turn	154	131	85.3%	6.9	0.9	A
	Subtotal	1,222	1,008	82.5%	16.7	1.7	B
EB	Left Turn	10	18	177.0%	19.3	7.4	B
	Through	513	528	102.9%	14.8	1.4	B
	Right Turn	93	94	101.3%	8.1	2.3	A
	Subtotal	616	640	103.8%	14.0	1.2	B
WB	Left Turn	46	37	81.3%	24.6	9.0	C
	Through	787	765	97.2%	13.7	2.8	B
	Right Turn	10	9	88.0%	5.6	6.8	A
	Subtotal	843	811	96.2%	14.0	2.7	B
Total		3,127	2,902	92.8%	15.1	1.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	15	23	151.3%	34.1	5.2	C
	Through	98	102	104.0%	20.2	5.5	C
	Right Turn	21	20	93.8%	6.2	2.4	A
	Subtotal	134	144	107.7%	20.9	4.2	C
SB	Left Turn	15	12	82.0%	25.4	14.4	C
	Through	379	349	92.1%	22.0	4.5	C
	Right Turn	21	37	173.8%	33.5	7.8	C
	Subtotal	415	398	95.9%	23.0	4.4	C
EB	Left Turn	10	21	214.0%	32.8	8.7	C
	Through	539	532	98.7%	6.7	0.7	A
	Right Turn	15	16	107.3%	4.9	4.2	A
	Subtotal	564	569	100.9%	7.5	0.6	A
WB	Left Turn	33	32	95.8%	23.3	6.7	C
	Through	807	764	94.7%	19.2	5.3	B
	Right Turn	10	9	87.0%	12.3	6.1	B
	Subtotal	850	804	94.6%	19.3	5.2	B
Total		1,963	1,916	97.6%	16.9	2.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 40 Central/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	154	153	99.2%	22.1	3.5	C
	Through						
	Right Turn	12	12	100.0%	5.6	4.6	A
	Subtotal	166	165	99.2%	21.2	3.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	472	486	102.9%	17.9	1.8	B
	Right Turn	103	100	97.1%	11.8	2.2	B
	Subtotal	575	586	101.8%	16.8	1.7	B
WB	Left Turn	26	21	81.2%	16.6	8.0	B
	Through	696	671	96.4%	9.4	2.6	A
	Right Turn						
	Subtotal	722	692	95.8%	9.6	2.6	A
Total		1,463	1,442	98.6%	13.9	1.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
AM Peak Hour

Intersection 41

Alameda/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	4	4	110.0%	70.6	82.9	E
	Through	953	918	96.4%	129.0	66.1	F
	Right Turn	50	51	102.0%	77.5	50.2	E
	Subtotal	1,007	974	96.7%	126.5	65.5	F
SB	Left Turn	24	17	70.0%	40.2	9.8	D
	Through	913	708	77.5%	15.8	1.6	B
	Right Turn	191	145	76.1%	11.4	2.6	B
	Subtotal	1,128	870	77.1%	15.7	1.3	B
EB	Left Turn	31	30	97.1%	23.6	10.6	C
	Through	402	418	103.9%	12.3	1.7	B
	Right Turn	51	51	100.4%	11.8	2.2	B
	Subtotal	484	499	103.1%	13.1	1.6	B
WB	Left Turn						
	Through	527	540	102.4%	23.5	4.3	C
	Right Turn	27	28	103.3%	27.8	16.1	C
	Subtotal	554	568	102.4%	23.7	4.4	C
Total		3,173	2,910	91.7%	52.1	19.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 1		Hill/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	32	33	103.4%	19.0	5.4	B
	Through	665	692	104.1%	16.4	2.2	B
	Right Turn	67	67	99.7%	15.4	3.9	B
	Subtotal	764	792	103.7%	16.4	2.2	B
SB	Left Turn	15	14	94.7%	15.2	9.2	B
	Through	435	459	105.5%	8.6	1.2	A
	Right Turn	26	25	97.7%	6.0	3.7	A
	Subtotal	476	498	104.7%	8.7	1.2	A
EB	Left Turn	47	47	99.6%	22.6	6.8	C
	Through	293	298	101.6%	19.6	2.0	B
	Right Turn	16	15	92.5%	13.3	10.5	B
	Subtotal	356	359	100.9%	19.9	2.1	B
WB	Left Turn	32	28	87.2%	32.2	6.7	C
	Through	340	300	88.2%	29.8	3.4	C
	Right Turn	82	68	83.0%	22.1	2.5	C
	Subtotal	454	396	87.2%	28.8	2.7	C
Total		2,050	2,046	99.8%	17.6	1.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	58	45	78.1%	27.7	3.5	C
	Through	1,134	898	79.2%	24.2	1.9	C
	Right Turn	100	87	86.7%	18.4	2.7	B
	Subtotal	1,292	1,030	79.7%	24.0	2.0	C
SB	Left Turn	55	53	96.7%	71.4	13.5	E
	Through	649	672	103.5%	61.5	17.0	E
	Right Turn	48	47	98.8%	50.8	12.3	D
	Subtotal	752	772	102.7%	61.6	16.0	E
EB	Left Turn	79	80	101.3%	18.3	5.5	B
	Through	254	260	102.2%	9.9	2.1	A
	Right Turn	42	43	102.6%	14.5	10.2	B
	Subtotal	375	383	102.1%	12.5	2.2	B
WB	Left Turn	52	58	111.5%	30.6	13.0	C
	Through	348	306	87.8%	29.2	5.6	C
	Right Turn	254	232	91.3%	30.4	5.5	C
	Subtotal	654	595	91.0%	29.8	5.6	C
Total		3,073	2,780	90.5%	34.3	5.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 3

Spring/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	7	5	67.1%	20.6	32.6	C
	Through						
	Right Turn	102	73	71.9%	18.3	1.8	B
	Subtotal	109	78	71.6%	19.1	3.0	B
SB	Left Turn	17	17	99.4%	36.8	18.0	D
	Through	29	28	96.9%	38.3	9.4	D
	Right Turn	8	7	92.5%	19.4	19.5	B
	Subtotal	54	52	97.0%	36.1	8.9	D
EB	Left Turn	10	11	113.0%	23.8	18.9	C
	Through	390	374	95.8%	18.0	1.5	B
	Right Turn	15	12	82.7%	28.3	22.3	C
	Subtotal	415	397	95.7%	18.2	1.5	B
WB	Left Turn	7	6	87.1%	22.9	21.9	C
	Through	646	578	89.5%	13.0	2.9	B
	Right Turn	13	9	68.5%	7.3	10.6	A
	Subtotal	666	593	89.1%	13.0	2.8	B
Total		1,244	1,121	90.1%	16.5	1.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 4

Alameda/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	179	163	90.8%	19.4	5.3	B
	Through	1,112	1,012	91.0%	11.7	1.0	B
	Right Turn	49	46	93.9%	9.7	6.1	A
	Subtotal	1,340	1,221	91.1%	12.7	1.4	B
SB	Left Turn	116	115	99.3%	35.6	8.3	D
	Through	500	511	102.2%	13.8	1.4	B
	Right Turn	57	69	121.8%	13.7	10.2	B
	Subtotal	673	695	103.3%	17.3	2.5	B
EB	Left Turn	102	103	100.8%	15.8	5.4	B
	Through	335	315	93.9%	17.7	3.9	B
	Right Turn	72	66	91.9%	6.2	3.3	A
	Subtotal	509	484	95.0%	15.6	3.5	B
WB	Left Turn	55	48	87.8%	32.2	8.2	C
	Through	430	363	84.3%	21.3	1.7	C
	Right Turn	393	347	88.2%	10.5	1.1	B
	Subtotal	878	758	86.3%	17.1	0.9	B
Total		3,400	3,157	92.9%	15.2	1.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 5 Main/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	5	3	58.0%	10.5	21.8	B
	Through	657	505	76.9%	20.0	2.0	B
	Right Turn	35	27	78.0%	13.0	6.6	B
	Subtotal	697	536	76.8%	19.6	2.2	B
SB	Left Turn	201	198	98.6%	36.4	18.3	D
	Through	275	271	98.4%	20.6	4.3	C
	Right Turn	186	187	100.3%	13.8	3.8	B
	Subtotal	662	655	99.0%	23.9	7.7	C
EB	Left Turn	228	219	96.2%	62.7	10.0	E
	Through	271	259	95.6%	21.9	4.6	C
	Right Turn	1	1	110.0%	0.0	0.0	A
	Subtotal	500	480	95.9%	41.6	7.0	D
WB	Left Turn						
	Through	687	568	82.6%	36.7	5.8	D
	Right Turn	370	295	79.7%	42.7	10.5	D
	Subtotal	1,057	863	81.6%	38.7	7.2	D
Total		2,916	2,533	86.9%	31.4	4.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 6

Vignes/Bauchet

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	31	20	65.2%	16.0	9.3	B
	Through	980	769	78.5%	12.0	2.0	B
	Right Turn	57	49	85.3%	5.5	1.5	A
	Subtotal	1,068	838	78.4%	11.7	1.9	B
SB	Left Turn	27	24	88.9%	16.6	6.7	B
	Through	463	443	95.7%	10.6	1.7	B
	Right Turn	5	5	96.0%	4.6	5.7	A
	Subtotal	495	472	95.3%	10.9	1.9	B
EB	Left Turn	11	12	109.1%	17.5	10.5	B
	Through	5	5	100.0%	13.3	13.8	B
	Right Turn	20	23	114.0%	5.4	1.2	A
	Subtotal	36	40	110.6%	11.3	4.4	B
WB	Left Turn	263	253	96.3%	21.7	3.2	C
	Through	6	6	95.0%	10.6	17.0	B
	Right Turn	81	81	100.4%	6.5	1.5	A
	Subtotal	350	340	97.2%	17.9	2.9	B
Total		1,949	1,690	86.7%	12.8	1.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	346	258	74.6%	245.8	27.1	F
	Through	719	608	84.5%	64.4	19.6	E
	Right Turn	208	177	85.0%	20.7	4.2	C
	Subtotal	1,273	1,043	81.9%	100.2	9.8	F
SB	Left Turn	296	268	90.6%	42.8	4.1	D
	Through	426	390	91.6%	33.8	3.9	C
	Right Turn	62	55	88.7%	34.1	13.6	C
	Subtotal	784	713	91.0%	37.2	2.2	D
EB	Left Turn	45	38	84.9%	37.4	10.4	D
	Through	948	784	82.7%	36.3	7.3	D
	Right Turn	325	281	86.4%	17.3	6.9	B
	Subtotal	1,318	1,103	83.6%	31.5	6.3	C
WB	Left Turn	198	164	82.6%	32.2	8.3	C
	Through	878	669	76.2%	87.0	17.1	F
	Right Turn	304	222	72.9%	6.6	2.1	A
	Subtotal	1,380	1,054	76.4%	61.7	11.1	E
Total		4,755	3,913	82.3%	58.4	5.1	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 8

Lyon/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	3	3	90.0%	27.6	38.7	C
	Through						
	Right Turn	4	5	127.5%	4.0	3.5	A
	Subtotal	7	8	111.4%	25.1	32.3	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,450	1,227	84.6%	1.8	0.5	A
	Right Turn	2	2	100.0%	1.5	2.4	A
	Subtotal	1,452	1,229	84.6%	1.8	0.5	A
WB	Left Turn	14	0	0.0%	0.0	0.0	A
	Through	1,377	1,038	75.4%	375.4	67.3	F
	Right Turn	7	0	0.0%	0.0	0.0	A
	Subtotal	1,398	1,038	74.2%	375.4	67.3	F
Total		2,857	2,275	79.6%	161.3	21.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 9

Mission/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	348	193	55.3%	1386.5	247.1	F
	Through	581	395	68.0%	115.9	17.1	F
	Right Turn	83	57	69.2%	82.3	26.6	F
	Subtotal	1,012	645	63.7%	583.8	185.5	F
SB	Left Turn	46	44	96.5%	124.1	118.1	F
	Through	476	448	94.1%	118.4	95.3	F
	Right Turn	366	335	91.5%	479.1	245.7	F
	Subtotal	888	827	93.1%	266.8	169.7	F
EB	Left Turn	445	405	90.9%	43.1	5.6	D
	Through	663	546	82.4%	43.8	5.0	D
	Right Turn	346	283	81.9%	31.2	6.6	C
	Subtotal	1,454	1,234	84.9%	40.8	5.2	D
WB	Left Turn	172	149	86.5%	288.6	110.8	F
	Through	684	598	87.5%	348.4	128.5	F
	Right Turn	27	21	78.5%	350.1	138.8	F
	Subtotal	883	768	87.0%	336.1	125.0	F
Total		4,237	3,474	82.0%	217.2	71.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 10

Alameda/Alhambra

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,325	1,204	90.9%	11.7	1.7	B
	Right Turn						
	Subtotal	1,325	1,204	90.9%	11.7	1.7	B
SB	Left Turn						
	Through	622	620	99.7%	2.5	0.7	A
	Right Turn	5	5	108.0%	0.1	0.2	A
	Subtotal	627	625	99.7%	2.5	0.7	A
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	260	256	98.4%	42.7	3.0	D
	Through	1	1	80.0%	16.7	22.6	B
	Right Turn	15	16	104.0%	40.9	10.4	D
	Subtotal	276	272	98.7%	42.5	3.4	D
Total		2,228	2,102	94.3%	12.9	1.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	21	22	103.3%	15.1	5.3	B
	Through	655	682	104.1%	12.6	1.6	B
	Right Turn	64	68	106.7%	11.5	2.6	B
	Subtotal	740	772	104.3%	12.5	1.6	B
SB	Left Turn	51	55	108.6%	18.3	9.9	B
	Through	411	418	101.7%	7.5	2.4	A
	Right Turn	21	22	104.3%	9.0	5.7	A
	Subtotal	483	495	102.5%	8.7	2.3	A
EB	Left Turn	15	18	117.3%	23.4	10.9	C
	Through	213	214	100.5%	19.9	3.4	B
	Right Turn	31	33	105.8%	18.3	5.3	B
	Subtotal	259	264	102.1%	20.0	3.5	B
WB	Left Turn	30	24	80.3%	23.1	9.7	C
	Through	185	160	86.7%	19.2	4.3	B
	Right Turn	94	82	87.2%	6.7	2.1	A
	Subtotal	309	267	86.2%	16.2	3.5	B
Total		1,791	1,798	100.4%	13.1	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 12

Broadway/Ord

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	119	87	72.9%	63.5	13.9	E
	Through	1,040	783	75.3%	46.6	5.4	D
	Right Turn	65	48	73.8%	39.2	8.4	D
	Subtotal	1,224	918	75.0%	47.8	5.8	D
SB	Left Turn	61	87	141.8%	92.0	29.4	F
	Through	636	639	100.5%	52.0	16.2	D
	Right Turn	46	43	94.3%	42.1	12.7	D
	Subtotal	743	769	103.5%	56.6	17.9	E
EB	Left Turn	121	124	102.3%	21.1	5.9	C
	Through	124	128	103.4%	22.3	5.8	C
	Right Turn	83	84	101.7%	16.5	4.8	B
	Subtotal	328	336	102.6%	20.5	5.2	C
WB	Left Turn	39	30	76.2%	33.7	11.6	C
	Through	144	108	75.3%	32.4	4.4	C
	Right Turn	131	101	76.9%	31.6	6.7	C
	Subtotal	314	239	76.1%	32.2	5.5	C
Total		2,609	2,262	86.7%	44.7	6.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 13

Alameda/Main

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	1,101	967	87.8%	4.4	0.8	A
	Right Turn	13	12	90.0%	6.1	6.4	A
	Subtotal	1,114	978	87.8%	4.4	0.8	A
SB	Left Turn	16	16	98.8%	19.7	11.5	B
	Through	882	879	99.6%	22.7	4.8	C
	Right Turn						
	Subtotal	898	894	99.6%	22.7	4.7	C
EB	Left Turn	948	793	83.7%	36.7	0.9	D
	Through	23	19	81.3%	32.1	6.8	C
	Right Turn	37	29	79.2%	15.9	8.6	B
	Subtotal	1,008	841	83.5%	35.9	0.7	D
WB	Left Turn	42	46	108.6%	51.9	10.7	D
	Through						
	Right Turn	73	72	99.0%	6.9	1.3	A
	Subtotal	115	118	102.5%	25.1	7.5	C
Total		3,135	2,832	90.3%	20.8	1.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	192	149	77.6%	99.8	13.2	F
	Through	855	688	80.4%	117.2	16.2	F
	Right Turn	182	147	80.8%	109.5	26.3	F
	Subtotal	1,229	984	80.0%	113.6	16.3	F
SB	Left Turn	112	109	97.4%	121.8	29.9	F
	Through	443	437	98.7%	37.7	11.2	D
	Right Turn	203	200	98.6%	25.8	8.9	C
	Subtotal	758	746	98.5%	46.7	11.1	D
EB	Left Turn	210	108	51.4%	743.3	121.6	F
	Through	1,055	480	45.5%	215.5	42.2	F
	Right Turn	64	34	52.7%	94.3	26.2	F
	Subtotal	1,329	622	46.8%	305.6	60.4	F
WB	Left Turn	139	120	86.3%	28.2	8.5	C
	Through	1,203	980	81.4%	19.4	3.4	B
	Right Turn	159	124	78.0%	15.9	6.5	B
	Subtotal	1,501	1,224	81.5%	19.9	3.9	B
Total		4,817	3,576	74.2%	100.5	10.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	30	26	87.0%	46.1	15.5	D
	Through	99	99	99.8%	48.3	27.1	D
	Right Turn	72	68	94.4%	37.1	13.5	D
	Subtotal	201	193	96.0%	43.9	18.5	D
EB	Left Turn						
	Through	1,126	751	66.7%	9.6	5.1	A
	Right Turn	223	142	63.5%	11.2	23.3	B
	Subtotal	1,349	893	66.2%	10.0	7.9	B
WB	Left Turn	179	171	95.3%	63.1	21.1	E
	Through	1,429	1,129	79.0%	61.5	7.8	E
	Right Turn	100	75	75.4%	24.3	5.9	C
	Subtotal	1,708	1,375	80.5%	59.5	7.8	E
Total		3,258	2,461	75.5%	40.7	7.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 16

Main/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	427	355	83.2%	57.9	33.2	E
	Through	880	744	84.6%	59.3	45.5	E
	Right Turn	278	241	86.6%	37.3	29.6	D
	Subtotal	1,585	1,340	84.6%	55.3	38.3	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	105	75	71.1%	61.2	19.8	E
	Through	1,051	730	69.5%	22.7	8.2	C
	Right Turn						
	Subtotal	1,156	805	69.6%	26.4	7.3	C
WB	Left Turn						
	Through	1,296	979	75.5%	32.2	4.8	C
	Right Turn	23	18	79.1%	8.8	4.3	A
	Subtotal	1,319	997	75.6%	31.8	4.8	C
Total		4,060	3,143	77.4%	40.9	18.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	113	112	99.2%	217.2	106.5	F
	Through	822	784	95.4%	17.7	2.1	B
	Right Turn	161	171	106.1%	15.1	2.5	B
	Subtotal	1,096	1,067	97.4%	38.4	12.6	D
SB	Left Turn	100	103	102.7%	14.7	3.3	B
	Through	699	685	98.1%	26.0	11.4	C
	Right Turn	162	161	99.2%	40.5	17.5	D
	Subtotal	961	949	98.7%	27.3	10.5	C
EB	Left Turn	150	98	65.1%	23.4	17.1	C
	Through	969	742	76.6%	16.2	1.4	B
	Right Turn	210	143	68.1%	3.8	2.3	A
	Subtotal	1,329	983	74.0%	15.3	2.1	B
WB	Left Turn	173	118	68.2%	40.8	6.5	D
	Through	1,044	743	71.1%	92.8	9.0	F
	Right Turn	142	97	68.1%	59.1	9.4	E
	Subtotal	1,359	957	70.4%	82.8	8.1	F
Total		4,745	3,956	83.4%	40.6	5.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	97	89	91.6%	26.3	7.8	C
	Through						
	Right Turn	175	15	8.6%	140.6	76.6	F
	Subtotal	272	104	38.2%	46.1	22.4	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,143	888	77.7%	280.5	38.4	F
	Right Turn	87	35	40.0%	229.3	44.9	F
	Subtotal	1,230	923	75.0%	278.5	38.6	F
WB	Left Turn	49	70	142.0%	5.0	1.3	A
	Through	1,237	942	76.2%	6.4	0.6	A
	Right Turn						
	Subtotal	1,286	1,012	78.7%	6.3	0.6	A
Total		2,788	2,039	73.1%	129.8	14.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	558	551	98.8%	19.0	2.3	B
	Right Turn	88	86	97.3%	9.4	3.1	A
	Subtotal	646	637	98.6%	17.7	2.1	B
SB	Left Turn	72	73	100.8%	36.8	6.9	D
	Through	836	713	85.3%	36.2	5.3	D
	Right Turn	174	161	92.8%	29.5	6.5	C
	Subtotal	1,082	947	87.5%	35.2	4.8	D
EB	Left Turn	441	421	95.4%	47.2	3.3	D
	Through	94	85	90.3%	48.6	7.6	D
	Right Turn	110	102	93.0%	22.4	5.7	C
	Subtotal	645	608	94.3%	43.1	3.6	D
WB	Left Turn	156	151	96.9%	30.9	3.6	C
	Through	62	60	96.6%	25.1	5.9	C
	Right Turn	97	100	102.8%	6.7	1.1	A
	Subtotal	315	311	98.6%	22.2	2.2	C
Total		2,688	2,502	93.1%	31.1	2.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 20

Broadway/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	1,038	773	74.4%	28.8	10.3	C
	Right Turn						
	Subtotal	1,038	773	74.4%	28.8	10.3	C
SB	Left Turn						
	Through	508	467	92.0%	15.1	7.0	B
	Right Turn						
	Subtotal	508	467	92.0%	15.1	7.0	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	205	186	90.7%	32.5	13.4	C
	Through						
	Right Turn	650	584	89.8%	43.5	22.8	D
	Subtotal	855	770	90.0%	40.7	19.3	D
Total		2,401	2,009	83.7%	30.4	12.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn						
	Through	451	300	66.6%	55.6	54.7	E
	Right Turn	103	77	74.9%	16.2	11.6	B
	Subtotal	554	378	68.1%	47.9	44.4	D
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	213	251	117.7%	82.1	131.5	F
	Through	752	693	92.2%	32.7	28.0	C
	Right Turn						
	Subtotal	965	944	97.8%	47.4	56.9	D
Total		1,519	1,322	87.0%	46.8	52.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 22

Main/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	274	236	86.0%	47.0	51.0	D
	Through	1,324	1,112	84.0%	20.7	4.6	C
	Right Turn						
	Subtotal	1,598	1,348	84.3%	24.1	8.5	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn						
	Through	691	712	103.0%	32.6	48.8	C
	Right Turn	93	87	93.0%	21.1	24.6	C
	Subtotal	784	798	101.8%	31.0	45.0	C
Total		2,382	2,146	90.1%	26.9	22.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	190	172	90.4%	18.8	21.0	B
	Through	1,079	1,010	93.6%	7.7	1.3	A
	Right Turn						
	Subtotal	1,269	1,182	93.2%	9.4	4.2	A
SB	Left Turn						
	Through	155	152	98.1%	17.3	25.8	B
	Right Turn	39	34	86.2%	17.7	23.7	B
	Subtotal	194	186	95.7%	17.5	25.2	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	104	99	94.9%	66.8	30.0	E
	Through	555	597	107.6%	67.5	27.0	E
	Right Turn	53	54	101.1%	60.6	28.4	E
	Subtotal	712	749	105.2%	67.1	27.2	E
Total		2,175	2,117	97.3%	30.6	14.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	22	23	105.5%	11.4	12.7	B
	Through	508	511	100.7%	5.8	2.6	A
	Right Turn	1,217	1,110	91.2%	6.4	1.0	A
	Subtotal	1,747	1,645	94.1%	6.3	1.4	A
SB	Left Turn	169	149	87.9%	67.9	27.4	E
	Through	676	583	86.2%	10.0	3.2	A
	Right Turn	30	33	110.0%	4.1	2.2	A
	Subtotal	875	764	87.3%	22.0	9.2	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	253	250	98.8%	77.9	24.6	E
	Through	660	700	106.0%	88.3	29.3	F
	Right Turn	303	283	93.5%	201.3	57.0	F
	Subtotal	1,216	1,233	101.4%	112.4	32.6	F
Total		3,838	3,642	94.9%	45.4	11.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	102	102	100.2%	38.2	6.3	D
	Through	366	350	95.7%	44.1	12.5	D
	Right Turn	79	82	103.8%	5.3	1.7	A
	Subtotal	547	534	97.7%	36.9	8.6	D
SB	Left Turn	520	380	73.1%	45.1	4.1	D
	Through	272	177	65.1%	21.8	3.1	C
	Right Turn	284	204	71.8%	26.4	5.9	C
	Subtotal	1,076	761	70.7%	34.6	2.3	C
EB	Left Turn	297	280	94.2%	122.7	21.6	F
	Through						
	Right Turn						
	Subtotal	297	280	94.2%	122.7	21.6	F
WB	Left Turn	204	168	82.5%	192.8	94.8	F
	Through	156	149	95.2%	217.5	79.2	F
	Right Turn	507	397	78.4%	284.6	108.3	F
	Subtotal	867	714	82.4%	250.6	100.7	F
Total		2,787	2,289	82.1%	107.8	24.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 26

Broadway/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	890	629	70.6%	180.2	50.6	F
	Right Turn	230	159	69.0%	132.6	37.6	F
	Subtotal	1,120	787	70.3%	170.5	48.3	F
SB	Left Turn	102	90	88.1%	78.1	39.0	E
	Through	611	562	92.0%	9.4	2.2	A
	Right Turn						
	Subtotal	713	652	91.5%	19.7	7.1	B
EB	Left Turn	148	146	98.5%	125.2	104.7	F
	Through	418	413	98.7%	65.0	72.1	E
	Right Turn	46	52	113.5%	23.2	42.7	C
	Subtotal	612	611	99.8%	76.5	76.1	E
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,445	2,050	83.8%	94.0	31.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 27

Spring/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	113	81	71.5%	5.5	4.0	A
	Through	551	549	99.6%	32.3	28.8	C
	Right Turn						
	Subtotal	664	630	94.8%	29.5	26.1	C
EB	Left Turn						
	Through	668	589	88.2%	7.8	2.8	A
	Right Turn	82	72	87.3%	6.2	3.2	A
	Subtotal	750	661	88.1%	7.6	2.8	A
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,414	1,291	91.3%	17.5	11.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 28 Main/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	1,504	1,267	84.2%	61.3	44.8	E
	Right Turn	270	228	84.6%	38.9	44.4	D
	Subtotal	1,774	1,495	84.3%	57.7	41.1	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	94	80	84.7%	38.7	41.2	D
	Through	687	620	90.2%	36.4	34.6	D
	Right Turn						
	Subtotal	781	700	89.6%	36.7	35.0	D
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,555	2,195	85.9%	49.8	34.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,188	1,112	93.6%	49.4	19.6	D
	Right Turn	204	356	174.7%	47.0	14.2	D
	Subtotal	1,570	1,468	93.5%	48.8	18.1	D
SB	Left Turn						
	Through	259	249	96.2%	17.5	22.6	B
	Right Turn						
	Subtotal	259	249	96.2%	17.5	22.6	B
EB	Left Turn	586	562	95.9%	65.5	24.1	E
	Through	266	265	99.5%	47.9	16.4	D
	Right Turn	24	19	77.5%	59.7	52.5	E
	Subtotal	957	846	88.4%	59.9	20.2	E
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,786	2,563	92.0%	49.6	16.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 30

Alameda/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,210	1,128	93.2%	51.6	22.5	D
	Right Turn	127	124	97.3%	23.5	15.8	C
	Subtotal	1,337	1,252	93.6%	48.8	21.9	D
SB	Left Turn	167	149	89.4%	102.5	63.9	F
	Through	762	683	89.6%	8.3	1.0	A
	Right Turn						
	Subtotal	929	832	89.6%	25.9	12.0	C
EB	Left Turn	366	361	98.7%	67.4	42.8	E
	Through	47	46	97.2%	23.3	7.3	C
	Right Turn	31	28	90.0%	5.5	1.9	A
	Subtotal	444	435	98.0%	59.3	36.3	E
WB	Left Turn	93	82	88.0%	188.5	238.6	F
	Through						
	Right Turn	171	156	91.0%	386.4	307.2	F
	Subtotal	264	237	89.9%	314.2	279.2	F
Total		2,974	2,756	92.7%	68.7	30.3	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	36	36	99.7%	50.5	35.6	D
	Through	435	426	98.0%	41.0	15.1	D
	Right Turn	25	25	101.6%	79.2	99.6	E
	Subtotal	496	487	98.3%	44.4	22.5	D
SB	Left Turn	130	137	105.2%	148.3	160.9	F
	Through	25	25	99.6%	101.8	119.2	F
	Right Turn	181	173	95.7%	11.1	12.5	B
	Subtotal	336	335	99.7%	66.8	61.1	E
EB	Left Turn	321	301	93.9%	34.1	3.8	C
	Through	66	62	93.8%	99.4	130.0	F
	Right Turn	11	9	79.1%	15.9	28.5	B
	Subtotal	398	372	93.4%	45.9	22.5	D
WB	Left Turn	1	1	130.0%	45.5	90.6	D
	Through	45	39	85.6%	61.8	23.0	E
	Right Turn	345	301	87.1%	31.7	9.9	C
	Subtotal	391	340	87.0%	35.3	10.3	D
Total		1,621	1,535	94.7%	47.3	24.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 32

Broadway/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	20	14	67.5%	307.6	149.7	F
	Through	808	522	64.6%	656.3	155.7	F
	Right Turn	72	38	53.2%	1012.6	305.9	F
	Subtotal	900	574	63.8%	679.0	174.6	F
SB	Left Turn	45	43	95.3%	10.3	6.7	B
	Through	567	520	91.7%	4.9	1.6	A
	Right Turn	45	51	112.9%	9.9	5.5	A
	Subtotal	657	614	93.4%	5.7	1.6	A
EB	Left Turn	69	70	101.3%	122.9	49.9	F
	Through	765	775	101.3%	47.9	37.7	D
	Right Turn	21	19	90.5%	37.0	28.5	D
	Subtotal	855	864	101.1%	54.6	37.0	D
WB	Left Turn	97	80	82.9%	69.6	19.0	E
	Through	763	675	88.5%	40.9	5.7	D
	Right Turn	243	204	84.1%	147.4	37.7	F
	Subtotal	1,103	960	87.0%	67.4	11.0	E
Total		3,515	3,011	85.7%	160.8	15.0	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	58	50	85.3%	105.6	51.4	F
	Through	466	479	102.8%	70.6	23.2	E
	Right Turn	109	78	71.4%	338.2	236.7	F
	Subtotal	633	606	95.8%	108.0	53.4	F
EB	Left Turn						
	Through	820	801	97.7%	36.5	30.3	D
	Right Turn	62	58	94.0%	37.6	20.1	D
	Subtotal	882	859	97.4%	36.5	29.5	D
WB	Left Turn	49	52	105.3%	21.5	8.4	C
	Through	994	891	89.6%	59.9	28.7	E
	Right Turn						
	Subtotal	1,043	942	90.3%	57.7	27.4	E
Total		2,558	2,408	94.1%	62.6	21.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 34 Main/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	278	235	84.4%	274.1	58.8	F
	Through	1,483	1,214	81.9%	310.7	61.7	F
	Right Turn	136	116	85.5%	290.4	38.7	F
	Subtotal	1,897	1,565	82.5%	303.7	58.8	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	90	85	94.3%	44.1	9.3	D
	Through	788	759	96.3%	74.2	25.8	E
	Right Turn						
	Subtotal	878	844	96.1%	71.4	23.8	E
WB	Left Turn						
	Through	765	719	94.0%	37.8	18.5	D
	Right Turn	201	187	93.2%	38.4	10.7	D
	Subtotal	966	906	93.8%	37.8	15.9	D
Total		3,741	3,315	88.6%	164.8	19.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	172	169	98.1%	114.5	72.1	F
	Through	1,165	1,083	93.0%	79.7	33.8	E
	Right Turn	82	79	96.5%	64.3	22.6	E
	Subtotal	1,419	1,331	93.8%	83.8	37.9	F
SB	Left Turn	97	90	92.9%	87.5	37.1	F
	Through	388	370	95.4%	44.5	41.6	D
	Right Turn	342	324	94.7%	109.5	94.4	F
	Subtotal	827	784	94.8%	77.7	62.4	E
EB	Left Turn	134	139	103.7%	143.2	52.2	F
	Through	674	631	93.5%	30.8	1.3	C
	Right Turn	116	106	91.0%	30.0	3.3	C
	Subtotal	924	875	94.7%	49.3	9.9	D
WB	Left Turn	71	66	93.0%	59.9	33.9	E
	Through	452	420	92.8%	79.1	55.1	E
	Right Turn	271	254	93.6%	76.0	55.2	E
	Subtotal	794	739	93.1%	76.2	52.2	E
Total		3,964	3,729	94.1%	71.1	31.3	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	166	157	94.3%	71.8	54.1	E
	Through						
	Right Turn	223	245	110.0%	62.1	59.1	E
	Subtotal	389	402	103.3%	65.5	55.3	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	822	771	93.8%	21.9	2.3	C
	Right Turn	31	26	84.2%	19.9	6.4	B
	Subtotal	853	797	93.5%	21.9	2.3	C
WB	Left Turn	39	51	129.7%	21.3	14.3	C
	Through	628	594	94.5%	36.0	67.2	D
	Right Turn						
	Subtotal	667	644	96.6%	34.6	62.0	C
Total		1,909	1,843	96.6%	35.1	24.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 37

Alameda/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	142	137	96.7%	24.1	2.8	C
	Through	968	884	91.3%	32.9	7.3	C
	Second Right						
	Subtotal	1,110	1,021	92.0%	31.6	6.4	C
SB	Left Turn	47	37	78.9%	36.0	10.9	D
	Through	663	540	81.4%	29.3	1.7	C
	Second Right						
	Subtotal	985	793	80.5%	24.6	1.8	C
EB	Left Turn	235	235	100.0%	39.5	14.6	D
	Through	576	564	97.9%	40.4	19.5	D
	Second Right						
	Subtotal	1,045	1,010	96.7%	56.6	26.8	E
WB	Left Turn	32	32	100.6%	88.5	30.5	F
	Through	250	270	107.8%	60.4	6.5	E
	Second Right						
	Subtotal	416	438	105.3%	65.1	8.9	E
Total		3,556	3,263	91.8%	42.1	7.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	36	34	93.1%	93.3	56.1	F
	Through	1,244	1,202	96.6%	104.2	62.1	F
	Right Turn	62	59	95.8%	103.6	60.7	F
	Subtotal	1,342	1,295	96.5%	103.8	61.7	F
SB	Left Turn	44	40	90.2%	33.7	7.8	C
	Through	510	484	94.9%	17.1	1.6	B
	Right Turn	21	18	83.3%	5.3	3.5	A
	Subtotal	575	541	94.1%	17.9	1.6	B
EB	Left Turn	62	32	52.1%	51.6	8.9	D
	Through	854	682	79.9%	96.8	5.7	F
	Right Turn	51	35	69.4%	62.9	7.2	E
	Subtotal	967	750	77.5%	92.9	4.9	F
WB	Left Turn	15	14	92.0%	46.2	20.6	D
	Through	504	508	100.8%	21.2	2.5	C
	Right Turn	113	106	94.0%	12.9	3.6	B
	Subtotal	632	628	99.4%	20.3	2.4	C
Total		3,516	3,214	91.4%	69.8	24.3	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	10	20	200.0%	28.9	6.0	C
	Through	302	305	101.1%	32.2	6.9	C
	Right Turn	44	44	99.5%	30.2	5.6	C
	Subtotal	356	369	103.7%	31.7	5.5	C
SB	Left Turn	15	14	92.7%	40.3	11.0	D
	Through	40	33	82.5%	20.5	8.5	C
	Right Turn	15	30	198.7%	47.5	17.7	D
	Subtotal	70	77	109.6%	33.8	10.1	C
EB	Left Turn	15	32	210.0%	26.3	16.3	C
	Through	926	758	81.8%	47.5	6.8	D
	Right Turn	19	14	75.8%	2.0	2.0	A
	Subtotal	960	804	83.7%	46.0	6.7	D
WB	Left Turn	31	29	93.5%	19.0	8.3	B
	Through	607	581	95.8%	13.7	2.9	B
	Right Turn	72	70	97.6%	9.7	2.7	A
	Subtotal	710	681	95.9%	13.5	2.7	B
Total		2,096	1,930	92.1%	31.0	3.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 40

Central/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	154	149	97.0%	34.2	5.4	C
	Through						
	Right Turn	22	24	110.0%	16.1	6.6	B
	Subtotal	176	174	98.6%	31.6	4.8	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	970	818	84.3%	59.4	3.7	E
	Right Turn	15	12	80.0%	52.2	9.0	D
	Subtotal	985	830	84.3%	59.3	3.7	E
WB	Left Turn	16	14	88.1%	18.4	10.2	B
	Through	556	547	98.4%	7.4	1.1	A
	Right Turn						
	Subtotal	572	561	98.1%	7.7	1.2	A
Total		1,733	1,565	90.3%	37.5	2.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future Unfunded ConnectUS
PM Peak Hour

Intersection 41

Alameda/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	75	73	96.9%	35.2	6.3	D
	Through	637	628	98.6%	26.2	2.5	C
	Right Turn	122	120	98.1%	10.8	2.9	B
	Subtotal	834	821	98.4%	24.8	2.0	C
SB	Left Turn	35	33	94.3%	29.9	8.6	C
	Through	743	685	92.2%	22.6	1.8	C
	Right Turn	151	135	89.5%	10.4	1.8	B
	Subtotal	929	853	91.8%	20.8	1.7	C
EB	Left Turn	396	324	81.7%	26.4	3.5	C
	Through	486	432	88.9%	14.7	1.2	B
	Right Turn	110	87	79.1%	14.4	2.2	B
	Subtotal	992	843	84.9%	19.0	1.9	B
WB	Left Turn						
	Through	346	353	102.1%	17.4	5.8	B
	Right Turn	77	75	97.9%	13.5	1.8	B
	Subtotal	423	429	101.3%	16.7	5.0	B
Total		3,178	2,945	92.7%	20.8	1.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 1		Hill/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	32	32	100.0%	15.9	5.4	B
	Through	665	671	100.9%	16.5	2.7	B
	Right Turn	67	68	101.8%	15.3	3.5	B
	Subtotal	764	771	101.0%	16.4	2.6	B
SB	Left Turn	15	14	90.7%	14.2	17.9	B
	Through	435	456	104.8%	9.2	1.2	A
	Right Turn	26	25	94.2%	8.4	2.6	A
	Subtotal	476	494	103.8%	9.2	1.3	A
EB	Left Turn	47	44	92.6%	22.1	5.9	C
	Through	293	294	100.3%	19.5	2.6	B
	Right Turn	16	16	100.0%	12.9	9.8	B
	Subtotal	356	353	99.2%	19.5	2.6	B
WB	Left Turn	32	28	86.6%	37.1	9.9	D
	Through	340	303	89.0%	30.7	3.3	C
	Right Turn	82	70	85.6%	21.5	4.6	C
	Subtotal	454	401	88.2%	29.3	3.3	C
Total		2,050	2,019	98.5%	17.8	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	58	41	70.7%	26.5	4.8	C
	Through	1,134	891	78.6%	25.4	3.0	C
	Right Turn	100	88	88.1%	20.3	3.5	C
	Subtotal	1,292	1,020	79.0%	25.0	3.1	C
SB	Left Turn	55	51	93.3%	69.5	18.0	E
	Through	649	663	102.2%	55.4	20.1	E
	Right Turn	48	46	96.5%	42.5	19.9	D
	Subtotal	752	761	101.2%	55.6	19.8	E
EB	Left Turn	79	82	103.4%	17.7	5.4	B
	Through	254	257	101.2%	12.6	2.4	B
	Right Turn	42	40	96.0%	16.3	10.9	B
	Subtotal	375	379	101.1%	14.1	2.4	B
WB	Left Turn	52	58	111.5%	29.7	7.2	C
	Through	348	315	90.6%	29.0	5.4	C
	Right Turn	254	226	89.0%	29.7	7.7	C
	Subtotal	654	599	91.7%	29.5	5.7	C
Total		3,073	2,760	89.8%	32.7	6.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 3

Spring/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	7	5	65.7%	28.5	27.9	C
	Through						
	Right Turn	102	73	71.8%	30.2	31.5	C
	Subtotal	109	78	71.4%	30.7	30.5	C
SB	Left Turn	17	16	94.7%	38.3	21.0	D
	Through	29	26	89.7%	34.2	8.1	C
	Right Turn	8	8	102.5%	16.2	18.0	B
	Subtotal	54	50	93.1%	33.2	8.4	C
EB	Left Turn	10	11	110.0%	26.5	17.7	C
	Through	390	373	95.5%	18.7	3.1	B
	Right Turn	15	12	81.3%	19.2	16.8	B
	Subtotal	415	396	95.3%	19.0	3.0	B
WB	Left Turn	7	6	90.0%	12.0	13.6	B
	Through	646	581	90.0%	11.6	2.4	B
	Right Turn	13	11	83.1%	5.9	4.8	A
	Subtotal	666	598	89.8%	11.4	2.2	B
Total		1,244	1,122	90.2%	16.5	3.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	179	149	83.4%	15.9	2.0	B
	Through	1,102	896	81.3%	12.8	2.0	B
	Right Turn	49	42	84.9%	10.0	7.1	A
	Subtotal	1,330	1,087	81.7%	13.1	1.9	B
SB	Left Turn	116	114	98.5%	33.0	9.9	C
	Through	500	520	104.0%	14.3	1.7	B
	Right Turn	57	69	121.1%	9.8	3.5	A
	Subtotal	673	704	104.5%	17.2	2.5	B
EB	Left Turn	102	98	96.2%	17.0	4.4	B
	Through	335	315	94.1%	17.4	4.5	B
	Right Turn	72	69	95.7%	7.4	4.0	A
	Subtotal	509	482	94.7%	16.0	3.6	B
WB	Left Turn	55	49	88.2%	27.3	9.1	C
	Through	430	381	88.5%	20.4	1.4	C
	Right Turn	393	352	89.6%	10.8	1.5	B
	Subtotal	878	781	89.0%	16.5	1.3	B
Total		3,390	3,054	90.1%	15.4	1.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 5 Main/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	5	2	40.0%	10.4	22.2	B
	Through	657	449	68.4%	22.0	1.4	C
	Right Turn	35	26	73.1%	19.8	10.0	B
	Subtotal	697	477	68.4%	21.9	1.3	C
SB	Left Turn	201	196	97.5%	32.7	10.8	C
	Through	275	269	97.9%	21.8	1.6	C
	Right Turn	186	183	98.2%	14.0	3.6	B
	Subtotal	662	648	97.8%	23.4	4.6	C
EB	Left Turn	228	217	95.3%	65.6	13.1	E
	Through	271	254	93.9%	22.7	7.3	C
	Right Turn	1	1	90.0%	5.0	9.4	A
	Subtotal	500	473	94.5%	42.8	9.5	D
WB	Left Turn						
	Through	687	595	86.7%	32.4	6.1	C
	Right Turn	370	316	85.4%	37.6	11.4	D
	Subtotal	1,057	911	86.2%	34.2	7.8	C
Total		2,916	2,508	86.0%	30.8	4.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 6

Vignes/Bauchet

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	31	22	71.3%	15.7	7.7	B
	Through	980	821	83.8%	12.2	2.3	B
	Right Turn	57	50	87.4%	5.6	1.5	A
	Subtotal	1,068	893	83.6%	11.9	2.3	B
SB	Left Turn	27	25	92.2%	20.1	7.0	C
	Through	463	435	93.9%	11.4	2.2	B
	Right Turn	5	5	92.0%	5.5	5.2	A
	Subtotal	495	464	93.8%	11.9	2.2	B
EB	Left Turn	11	13	119.1%	17.8	9.1	B
	Through	5	5	106.0%	17.4	15.8	B
	Right Turn	20	20	98.0%	5.5	2.2	A
	Subtotal	36	38	105.6%	12.3	4.7	B
WB	Left Turn	263	263	100.0%	23.8	4.6	C
	Through	6	7	108.3%	11.1	12.8	B
	Right Turn	81	80	99.1%	6.0	1.0	A
	Subtotal	350	350	99.9%	19.7	3.9	B
Total		1,949	1,745	89.5%	13.6	1.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	346	277	80.1%	212.3	81.5	F
	Through	719	638	88.7%	59.4	10.8	E
	Right Turn	208	185	88.8%	19.9	2.9	B
	Subtotal	1,273	1,100	86.4%	89.9	14.8	F
SB	Left Turn	296	269	91.0%	40.7	3.4	D
	Through	426	388	91.0%	32.6	2.2	C
	Right Turn	62	54	86.3%	25.2	16.0	C
	Subtotal	784	711	90.6%	35.1	2.2	D
EB	Left Turn	45	37	82.2%	31.2	7.9	C
	Through	948	726	76.5%	32.9	6.3	C
	Right Turn	325	266	81.8%	16.6	6.0	B
	Subtotal	1,318	1,029	78.0%	28.5	5.2	C
WB	Left Turn	198	184	92.9%	34.8	8.5	C
	Through	878	731	83.2%	78.2	23.2	E
	Right Turn	304	246	80.8%	7.5	1.0	A
	Subtotal	1,380	1,160	84.1%	56.8	16.0	E
Total		4,755	3,999	84.1%	53.7	5.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 8

Lyon/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	3	3	110.0%	33.6	41.7	C
	Through						
	Right Turn	4	4	92.5%	3.5	3.8	A
	Subtotal	7	7	100.0%	26.5	28.9	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,450	1,180	81.4%	1.8	0.4	A
	Right Turn	2	2	75.0%	2.6	4.1	A
	Subtotal	1,452	1,182	81.4%	1.8	0.4	A
WB	Left Turn	14	0	0.0%	0.0	0.0	A
	Through	1,377	1,148	83.3%	322.5	123.8	F
	Right Turn	7	0	0.0%	0.0	0.0	A
	Subtotal	1,398	1,148	82.1%	322.5	123.8	F
Total		2,857	2,336	81.8%	148.2	32.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	348	218	62.8%	1090.1	299.2	F
	Through	581	452	77.8%	104.2	26.5	F
	Right Turn	83	67	81.2%	62.2	24.3	E
	Subtotal	1,012	738	72.9%	425.7	186.0	F
SB	Left Turn	46	49	106.3%	43.4	11.1	D
	Through	476	460	96.7%	48.4	4.1	D
	Right Turn	366	368	100.4%	188.2	171.1	F
	Subtotal	888	877	98.7%	97.3	54.4	F
EB	Left Turn	445	386	86.7%	40.9	5.6	D
	Through	663	529	79.7%	39.4	3.0	D
	Right Turn	346	265	76.4%	29.9	3.9	C
	Subtotal	1,454	1,179	81.1%	37.9	2.7	D
WB	Left Turn	172	162	94.1%	129.4	67.2	F
	Through	684	646	94.4%	176.5	99.1	F
	Right Turn	27	24	89.6%	178.0	105.7	F
	Subtotal	883	832	94.2%	166.5	90.1	F
Total		4,237	3,625	85.6%	129.7	38.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 10 Alameda/Alhambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1,315	1,071	81.5%	11.1	1.4	B
	Through						
	Right Turn						
	Subtotal	1,315	1,071	81.5%	11.1	1.4	B
SB	Left Turn	622	632	101.6%	2.8	0.7	A
	Through						
	Right Turn						
	Subtotal	627	637	101.6%	2.8	0.7	A
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	260	255	98.0%	43.6	2.8	D
	Through						
	Right Turn						
	Subtotal	276	271	98.0%	43.4	3.1	D
Total		2,218	1,978	89.2%	13.1	1.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 11		Hill/Ord			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	21	23	107.1%	13.4	3.8	B
	Through	655	670	102.4%	12.9	1.7	B
	Right Turn	64	63	98.9%	12.0	2.5	B
	Subtotal	740	756	102.2%	12.8	1.6	B
SB	Left Turn	51	52	102.2%	18.8	7.4	B
	Through	411	420	102.3%	8.5	2.0	A
	Right Turn	21	21	100.5%	8.3	4.6	A
	Subtotal	483	494	102.2%	9.5	1.8	A
EB	Left Turn	15	16	107.3%	24.1	11.2	C
	Through	213	214	100.6%	19.1	4.0	B
	Right Turn	31	32	101.9%	17.4	3.8	B
	Subtotal	259	262	101.1%	19.0	3.7	B
WB	Left Turn	30	25	84.0%	24.4	8.2	C
	Through	185	157	84.8%	16.6	4.8	B
	Right Turn	94	77	82.0%	6.4	2.7	A
	Subtotal	309	259	83.9%	14.8	4.2	B
Total		1,791	1,771	98.9%	13.1	1.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 12 Broadway/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	119	88	74.3%	69.6	17.1	E
	Through	1,040	780	75.0%	46.5	6.5	D
	Right Turn	65	50	76.9%	38.1	6.6	D
	Subtotal	1,224	918	75.0%	48.3	6.3	D
SB	Left Turn	61	84	137.4%	94.8	28.0	F
	Through	636	632	99.4%	53.6	18.1	D
	Right Turn	46	43	94.3%	46.3	11.8	D
	Subtotal	743	759	102.2%	58.1	17.8	E
EB	Left Turn	121	118	97.8%	19.7	3.3	B
	Through	124	124	99.6%	22.9	5.9	C
	Right Turn	83	87	104.5%	18.2	6.6	B
	Subtotal	328	329	100.2%	20.6	4.7	C
WB	Left Turn	39	29	73.6%	39.9	14.1	D
	Through	144	101	70.2%	43.1	22.2	D
	Right Turn	131	96	73.2%	39.5	17.7	D
	Subtotal	314	226	71.9%	40.7	16.6	D
Total		2,609	2,232	85.5%	46.8	8.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,091	858	78.7%	4.1	0.7	A
	Right Turn	13	10	73.8%	3.8	4.2	A
	Subtotal	1,104	868	78.6%	4.1	0.7	A
SB	Left Turn	16	17	107.5%	25.6	14.2	C
	Through	882	877	99.5%	33.5	12.5	C
	Right Turn						
	Subtotal	898	895	99.6%	33.4	12.2	C
EB	Left Turn	948	698	73.6%	36.9	1.7	D
	Through	23	19	80.4%	49.9	29.9	D
	Right Turn	37	31	82.4%	53.8	55.3	D
	Subtotal	1,008	747	74.1%	38.3	3.9	D
WB	Left Turn	42	43	101.4%	54.3	15.5	D
	Through						
	Right Turn	73	74	101.2%	6.9	0.5	A
	Subtotal	115	117	101.3%	25.7	7.5	C
Total		3,125	2,626	84.0%	24.4	5.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	192	154	80.4%	104.8	19.7	F
	Through	855	691	80.9%	114.7	21.9	F
	Right Turn	182	149	81.8%	102.2	22.2	F
	Subtotal	1,229	995	80.9%	111.4	21.1	F
SB	Left Turn	112	109	97.3%	138.7	57.5	F
	Through	443	436	98.5%	47.1	13.6	D
	Right Turn	203	194	95.6%	36.1	11.7	D
	Subtotal	758	739	97.5%	58.6	17.6	E
EB	Left Turn	210	105	49.8%	751.1	133.3	F
	Through	1,055	458	43.4%	234.0	55.8	F
	Right Turn	64	34	53.3%	112.3	28.1	F
	Subtotal	1,329	596	44.9%	316.0	70.4	F
WB	Left Turn	139	116	83.4%	28.9	8.0	C
	Through	1,203	989	82.2%	18.2	1.9	B
	Right Turn	159	123	77.5%	14.8	5.4	B
	Subtotal	1,501	1,228	81.8%	18.9	1.9	B
Total		4,817	3,558	73.9%	100.5	7.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	30	26	88.0%	38.7	9.1	D
	Through	99	96	96.7%	42.8	12.4	D
	Right Turn	72	65	90.7%	32.0	5.9	C
	Subtotal	201	187	93.2%	38.3	6.7	D
EB	Left Turn						
	Through	1,126	731	64.9%	9.1	1.3	A
	Right Turn	223	140	62.7%	5.0	2.1	A
	Subtotal	1,349	871	64.5%	8.4	1.2	A
WB	Left Turn	179	178	99.2%	52.6	6.5	D
	Through	1,429	1,138	79.7%	61.1	8.2	E
	Right Turn	100	75	74.9%	24.0	4.6	C
	Subtotal	1,708	1,391	81.4%	57.9	7.1	E
Total		3,258	2,449	75.2%	39.8	4.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 16

Main/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	427	336	78.7%	43.0	18.7	D
	Through	880	654	74.3%	31.2	18.3	C
	Right Turn	278	217	78.2%	22.3	7.9	C
	Subtotal	1,585	1,207	76.2%	32.7	14.8	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	105	72	68.2%	61.6	26.0	E
	Through	1,051	714	68.0%	21.3	5.9	C
	Right Turn						
	Subtotal	1,156	786	68.0%	25.0	7.2	C
WB	Left Turn						
	Through	1,296	1,014	78.2%	33.3	5.5	C
	Right Turn	23	20	88.7%	13.0	10.6	B
	Subtotal	1,319	1,034	78.4%	32.9	5.4	C
Total		4,060	3,027	74.6%	30.8	7.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	126	111	88.3%	165.5	104.7	F
	Through	832	688	82.7%	46.8	11.1	D
	Right Turn	144	128	88.7%	45.4	15.2	D
	Subtotal	1,102	927	84.1%	62.4	15.4	E
SB	Left Turn	100	99	98.9%	24.5	8.4	C
	Through	699	686	98.1%	52.4	21.3	D
	Right Turn	162	160	98.5%	28.6	12.8	C
	Subtotal	961	944	98.2%	45.8	18.5	D
EB	Left Turn	150	96	63.7%	38.9	17.5	D
	Through	969	707	73.0%	16.5	2.3	B
	Right Turn	210	140	66.6%	3.9	1.4	A
	Subtotal	1,329	943	70.9%	16.7	2.8	B
WB	Left Turn	173	125	72.0%	37.5	3.8	D
	Through	1,031	783	75.9%	79.8	9.7	E
	Right Turn	122	85	69.5%	60.1	11.6	E
	Subtotal	1,326	992	74.8%	72.3	8.2	E
Total		4,718	3,806	80.7%	49.9	6.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	64	1	2.2%	2.3	7.1	A
	Through						
	Right Turn	152	0	0.1%	0.0	0.0	A
	Subtotal	216	2	0.7%	2.3	7.1	A
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	1,166	963	82.6%	252.9	83.4	F
	Right Turn	47	38	81.5%	187.9	76.6	F
	Subtotal	1,213	1,001	82.5%	250.2	82.6	F
WB	Left Turn	49	32	64.3%	2.7	1.6	A
	Through	1,237	900	72.7%	3.7	1.7	A
	Right Turn						
	Subtotal	1,286	931	72.4%	3.7	1.7	A
Total		2,715	1,934	71.2%	115.5	21.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	631	606	96.0%	29.6	6.4	C
	Right Turn	15	11	71.3%	16.5	13.5	B
	Subtotal	646	617	95.4%	29.4	6.3	C
SB	Left Turn	72	71	98.3%	66.0	13.4	E
	Through	836	718	85.9%	23.6	3.5	C
	Right Turn	174	160	91.8%	37.5	11.0	D
	Subtotal	1,082	948	87.7%	29.6	5.8	C
EB	Left Turn	441	290	65.6%	102.1	5.0	F
	Through	94	59	62.9%	131.0	13.1	F
	Right Turn	110	72	65.5%	127.7	11.7	F
	Subtotal	645	421	65.2%	110.3	5.2	F
WB	Left Turn	122	112	91.5%	23.1	3.3	C
	Through	32	31	95.6%	24.3	6.5	C
	Right Turn	30	33	108.7%	42.1	8.4	D
	Subtotal	184	175	95.0%	27.2	2.1	C
Total		2,557	2,160	84.5%	45.5	3.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 20

Broadway/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	1,038	832	80.2%	27.1	10.2	C
	Through						
	Right Turn						
	Subtotal	1,038	832	80.2%	27.1	10.2	C
SB	Left Turn	508	462	91.0%	11.9	3.2	B
	Through						
	Right Turn						
	Subtotal	508	462	91.0%	11.9	3.2	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	205	168	82.0%	25.3	10.1	C
	Through						
	Right Turn						
	Subtotal	855	702	82.1%	32.9	21.6	C
Total		2,401	1,996	83.1%	25.6	12.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn						
	Through	451	304	67.3%	24.9	6.9	C
	Right Turn	103	77	75.1%	4.4	2.7	A
	Subtotal	554	381	68.8%	20.7	5.5	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	213	225	105.7%	22.8	14.8	C
	Through	752	626	83.3%	28.5	17.7	C
	Right Turn						
	Subtotal	965	852	88.2%	26.9	16.6	C
Total		1,519	1,233	81.1%	24.8	11.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 22		Main/Arcadia			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	274	208	76.1%	23.8	20.6	C
	Through	1,324	988	74.6%	17.9	5.0	B
	Right Turn						
	Subtotal	1,598	1,196	74.8%	19.0	7.1	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn						
	Through	691	644	93.3%	11.0	14.2	B
	Right Turn	93	76	81.6%	12.1	17.4	B
	Subtotal	784	720	91.9%	11.1	14.5	B
Total		2,382	1,916	80.5%	16.1	9.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	190	120	63.2%	11.5	3.1	B
	Through	1,079	684	63.4%	21.4	6.2	C
	Right Turn						
	Subtotal	1,269	804	63.4%	19.9	5.3	B
SB	Left Turn						
	Through	155	148	95.7%	14.8	2.8	B
	Right Turn	39	32	81.3%	19.3	6.0	B
	Subtotal	194	180	92.8%	15.6	2.4	B
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	104	99	95.1%	57.8	12.8	E
	Through	555	568	102.3%	59.0	10.7	E
	Right Turn	53	49	92.6%	66.3	17.6	E
	Subtotal	712	716	100.5%	59.3	11.3	E
Total		2,175	1,700	78.2%	36.0	4.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	22	23	105.0%	8.6	6.4	A
	Through	508	494	97.2%	4.3	0.7	A
	Right Turn	1,217	1,067	87.7%	6.0	0.5	A
	Subtotal	1,747	1,584	90.7%	5.5	0.5	A
SB	Left Turn	169	145	85.6%	33.6	16.6	C
	Through	676	547	81.0%	17.1	2.8	B
	Right Turn	30	36	118.3%	13.2	10.2	B
	Subtotal	875	727	83.1%	20.2	4.8	C
EB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
WB	Left Turn	253	235	92.7%	148.6	24.8	F
	Through	660	656	99.3%	193.9	18.8	F
	Right Turn	303	278	91.7%	236.8	21.4	F
	Subtotal	1,216	1,168	96.1%	195.2	18.7	F
Total		3,838	3,480	90.7%	73.6	6.3	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	102	102	99.7%	44.4	8.7	D
	Through	491	480	97.7%	51.0	37.8	D
	Right Turn	79	78	99.2%	6.0	6.1	A
	Subtotal	672	660	98.2%	45.0	30.6	D
SB	Left Turn	520	292	56.1%	45.1	4.7	D
	Through	471	261	55.5%	25.6	4.6	C
	Right Turn	284	207	73.0%	28.7	5.9	C
	Subtotal	1,275	760	59.6%	33.9	2.9	C
EB	Left Turn	297	285	96.0%	101.1	30.8	F
	Through						
	Right Turn						
	Subtotal	297	285	96.0%	101.1	30.8	F
WB	Left Turn	204	173	84.6%	192.6	106.8	F
	Through	156	157	100.8%	236.8	125.8	F
	Right Turn	507	392	77.3%	323.0	255.5	F
	Subtotal	867	722	83.3%	271.4	183.1	F
Total		3,111	2,427	78.0%	97.9	31.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 26

Broadway/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	890	689	77.4%	158.2	63.0	F
	Right Turn	230	169	73.5%	112.1	43.9	F
	Subtotal	1,120	858	76.6%	149.4	59.5	F
SB	Left Turn	102	90	88.3%	64.6	19.3	E
	Through	611	539	88.3%	8.0	1.3	A
	Right Turn						
	Subtotal	713	629	88.3%	15.6	3.4	B
EB	Left Turn	148	146	98.9%	88.5	87.1	F
	Through	418	426	101.8%	48.7	54.2	D
	Right Turn	46	54	118.0%	17.8	35.0	B
	Subtotal	612	626	102.3%	55.2	60.2	E
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,445	2,114	86.5%	77.7	29.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 27

Spring/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	113	81	71.5%	9.3	19.7	A
	Through	551	527	95.6%	15.9	4.6	B
	Right Turn						
	Subtotal	664	608	91.5%	15.0	6.4	B
EB	Left Turn						
	Through	668	612	91.6%	8.1	6.2	A
	Right Turn	82	72	87.9%	4.4	4.4	A
	Subtotal	750	684	91.2%	7.7	6.0	A
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,414	1,292	91.4%	11.2	5.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 28 Main/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,504	1,106	73.6%	40.0	24.2	D
	Right Turn	270	199	73.8%	21.1	10.4	C
	Subtotal	1,774	1,306	73.6%	37.5	21.5	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	94	86	91.2%	30.0	38.6	C
	Through	687	642	93.5%	26.8	29.7	C
	Right Turn						
	Subtotal	781	728	93.2%	27.3	31.0	C
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,555	2,034	79.6%	34.1	22.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,188	735	61.9%	112.6	33.5	F
	Right Turn	204	235	115.2%	79.4	10.6	E
	Subtotal	1,570	970	61.8%	104.5	27.4	F
SB	Left Turn						
	Through	259	247	95.4%	8.0	1.1	A
	Right Turn						
	Subtotal	259	247	95.4%	8.0	1.1	A
EB	Left Turn	586	558	95.3%	70.0	21.8	E
	Through	266	266	99.8%	34.8	11.4	C
	Right Turn	24	19	78.8%	35.7	13.6	D
	Subtotal	957	843	88.1%	58.5	17.1	E
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		2,786	2,060	73.9%	73.5	12.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 30

Alameda/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn						
	Through	1,210	1,106	91.4%	35.3	8.0	D
	Right Turn	127	121	95.4%	11.4	5.2	B
	Subtotal	1,337	1,227	91.8%	32.9	7.7	C
SB	Left Turn	167	149	89.0%	72.8	23.3	E
	Through	762	635	83.3%	12.2	5.5	B
	Right Turn						
	Subtotal	929	784	84.4%	25.0	5.1	C
EB	Left Turn	366	313	85.6%	43.3	22.9	D
	Through	47	39	82.1%	13.4	4.1	B
	Right Turn	31	22	71.0%	9.9	13.2	A
	Subtotal	444	374	84.2%	38.6	19.7	D
WB	Left Turn	93	86	92.8%	84.6	128.3	F
	Through						
	Right Turn	171	165	96.3%	209.1	201.5	F
	Subtotal	264	251	95.0%	166.1	177.8	F
Total		2,974	2,636	88.6%	44.7	21.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	36	37	101.7%	34.3	8.0	C
	Through	435	433	99.5%	45.8	31.4	D
	Right Turn	25	24	94.4%	29.3	34.1	C
	Subtotal	496	493	99.4%	45.2	30.7	D
SB	Left Turn	130	135	103.5%	132.8	214.8	F
	Through	25	21	85.6%	135.2	236.3	F
	Right Turn	181	180	99.3%	14.3	27.1	B
	Subtotal	336	336	99.9%	73.6	122.3	E
EB	Left Turn	321	295	92.0%	34.8	2.8	C
	Through	66	60	91.2%	78.6	112.0	E
	Right Turn	11	10	86.4%	5.4	10.3	A
	Subtotal	398	365	91.7%	39.8	13.0	D
WB	Left Turn	1	1	90.0%	4.1	13.0	A
	Through	45	38	84.4%	50.6	11.4	D
	Right Turn	345	290	83.9%	26.9	3.7	C
	Subtotal	391	329	84.0%	29.9	4.3	C
Total		1,621	1,522	93.9%	45.2	34.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 32

Broadway/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	20	16	80.5%	336.5	121.7	F
	Through	808	623	77.1%	538.9	196.9	F
	Right Turn	72	48	67.2%	829.7	301.6	F
	Subtotal	900	688	76.4%	555.1	202.1	F
SB	Left Turn	45	40	88.2%	51.3	27.9	D
	Through	567	504	88.8%	4.8	1.3	A
	Right Turn	45	49	108.4%	6.7	2.3	A
	Subtotal	657	592	90.1%	8.1	1.6	A
EB	Left Turn	69	62	90.3%	251.3	91.6	F
	Through	765	648	84.6%	241.6	142.9	F
	Right Turn	21	14	64.8%	210.5	120.5	F
	Subtotal	855	723	84.6%	242.3	137.1	F
WB	Left Turn	97	75	77.5%	42.0	15.6	D
	Through	763	647	84.8%	22.5	10.4	C
	Right Turn	243	191	78.6%	67.6	50.9	E
	Subtotal	1,103	913	82.8%	33.9	18.3	C
Total		3,515	2,916	83.0%	189.3	57.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	58	46	78.8%	104.4	30.6	F
	Through	466	470	100.9%	48.3	2.6	D
	Right Turn	109	84	76.8%	52.9	59.0	D
	Subtotal	633	600	94.7%	52.9	7.8	D
EB	Left Turn						
	Through	820	674	82.2%	107.7	48.9	F
	Right Turn	62	52	84.5%	85.7	51.2	F
	Subtotal	882	726	82.3%	105.9	48.1	F
WB	Left Turn	49	46	93.7%	9.7	4.0	A
	Through	994	837	84.2%	14.1	13.8	B
	Right Turn						
	Subtotal	1,043	883	84.7%	13.8	13.1	B
Total		2,558	2,209	86.4%	51.4	9.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 34 Main/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	278	203	72.8%	290.2	77.8	F
	Through	1,483	1,051	70.9%	368.1	112.5	F
	Right Turn	136	98	71.7%	385.8	131.3	F
	Subtotal	1,897	1,351	71.2%	358.7	109.1	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	90	72	80.3%	72.4	26.1	E
	Through	788	644	81.7%	117.3	30.3	F
	Right Turn						
	Subtotal	878	716	81.5%	113.0	29.4	F
WB	Left Turn						
	Through	765	681	89.0%	18.3	6.1	B
	Right Turn	201	158	78.6%	28.4	5.1	C
	Subtotal	966	839	86.9%	20.2	5.9	C
Total		3,741	2,906	77.7%	196.8	42.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	172	91	52.8%	216.3	65.2	F
	Through	1,165	610	52.3%	252.2	77.1	F
	Right Turn	82	46	55.6%	186.0	67.1	F
	Subtotal	1,419	746	52.6%	244.5	75.0	F
SB	Left Turn	97	93	96.2%	37.0	13.6	D
	Through	388	379	97.7%	32.5	20.9	C
	Right Turn	342	338	98.8%	38.1	15.4	D
	Subtotal	827	811	98.0%	35.5	17.4	D
EB	Left Turn	134	112	83.8%	276.2	98.2	F
	Through	674	538	79.8%	28.9	2.1	C
	Right Turn	116	90	77.5%	27.8	3.0	C
	Subtotal	924	740	80.1%	65.4	13.3	E
WB	Left Turn	71	64	90.4%	56.9	20.1	E
	Through	452	412	91.2%	65.1	36.2	E
	Right Turn	271	249	91.8%	147.0	73.6	F
	Subtotal	794	725	91.3%	92.7	44.5	F
Total		3,964	3,022	76.2%	105.5	24.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	166	157	94.6%	73.6	43.0	E
	Through						
	Right Turn	223	242	108.7%	46.7	23.0	D
	Subtotal	389	400	102.7%	57.3	30.4	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	822	654	79.6%	20.4	3.3	C
	Right Turn	31	22	71.3%	18.4	6.4	B
	Subtotal	853	676	79.3%	20.4	3.3	C
WB	Left Turn	39	49	126.7%	28.8	24.8	C
	Through	628	575	91.5%	77.9	85.0	E
	Right Turn						
	Subtotal	667	624	93.6%	74.4	80.5	E
Total		1,909	1,700	89.1%	49.6	37.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 37

Alameda/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	142	133	93.6%	27.8	12.7	C
	Through	968	886	91.5%	29.9	2.0	C
	Second Right						
	Subtotal	1,110	1,019	91.8%	29.8	1.9	C
SB	Left Turn	47	34	71.3%	51.3	42.5	D
	Through	663	493	74.4%	41.4	32.2	D
	Second Right						
	Subtotal	985	732	74.3%	55.0	70.5	D
EB	Left Turn	235	207	88.0%	29.0	4.5	C
	Through	576	503	87.3%	26.3	5.9	C
	Second Right						
	Subtotal	1,045	898	85.9%	36.2	9.3	D
WB	Left Turn	32	32	98.8%	67.9	17.1	E
	Through	250	272	108.7%	68.2	26.1	E
	Second Right						
	Subtotal	416	437	104.9%	68.6	21.9	E
Total		3,556	3,085	86.8%	43.1	20.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	36	19	52.5%	315.8	97.2	F
	Through	1,244	618	49.7%	431.2	82.8	F
	Right Turn	62	32	50.8%	391.7	87.9	F
	Subtotal	1,342	668	49.8%	426.2	81.5	F
SB	Left Turn	44	38	86.1%	23.6	11.7	C
	Through	510	476	93.4%	17.7	1.4	B
	Right Turn	21	19	89.0%	4.4	1.5	A
	Subtotal	575	533	92.7%	17.8	1.6	B
EB	Left Turn	62	35	55.8%	65.4	16.5	E
	Through	854	692	81.0%	97.5	8.5	F
	Right Turn	51	39	76.9%	52.6	6.3	D
	Subtotal	967	765	79.2%	93.8	8.9	F
WB	Left Turn	15	13	86.0%	34.5	24.1	C
	Through	504	500	99.1%	35.5	17.7	D
	Right Turn	113	104	92.2%	42.6	17.9	D
	Subtotal	632	617	97.6%	36.9	16.1	D
Total		3,516	2,583	73.5%	143.7	15.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	10	19	190.0%	36.4	39.8	D
	Through	302	300	99.2%	45.1	31.8	D
	Right Turn	44	46	103.6%	34.1	39.0	C
	Subtotal	356	364	102.3%	43.5	32.9	D
SB	Left Turn	15	11	75.3%	43.3	20.3	D
	Through	40	31	78.3%	22.5	10.3	C
	Right Turn	15	29	194.0%	45.5	9.4	D
	Subtotal	70	72	102.4%	35.3	7.5	D
EB	Left Turn	15	30	199.3%	15.5	5.4	B
	Through	926	744	80.3%	27.2	19.3	C
	Right Turn	19	12	63.7%	3.8	5.1	A
	Subtotal	960	786	81.8%	26.5	18.4	C
WB	Left Turn	31	29	92.9%	29.9	14.8	C
	Through	607	576	94.8%	17.7	11.4	B
	Right Turn	72	73	100.7%	13.7	8.2	B
	Subtotal	710	677	95.3%	17.7	10.6	B
Total		2,096	1,898	90.6%	27.4	11.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 40 Central/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	154	150	97.1%	32.6	5.6	C
	Through						
	Right Turn	22	22	98.6%	22.7	11.2	C
	Subtotal	176	171	97.3%	31.4	6.0	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	970	806	83.1%	47.5	13.2	D
	Right Turn	15	11	74.0%	38.3	15.4	D
	Subtotal	985	817	83.0%	47.4	13.1	D
WB	Left Turn	16	15	94.4%	21.5	8.4	C
	Through	556	543	97.6%	8.4	1.3	A
	Right Turn						
	Subtotal	572	558	97.6%	8.7	1.4	A
Total		1,733	1,547	89.2%	31.5	7.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Future + Project Unfunded ConnectUS
PM Peak Hour

Intersection 41

Alameda/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	75	74	98.0%	35.5	6.5	D
	Through	637	625	98.1%	24.9	1.7	C
	Right Turn	122	120	98.4%	10.3	1.4	B
	Subtotal	834	818	98.1%	23.7	1.0	C
SB	Left Turn	35	29	83.4%	28.2	8.7	C
	Through	743	632	85.0%	22.1	2.6	C
	Right Turn	151	125	82.5%	11.3	2.8	B
	Subtotal	929	785	84.5%	20.7	2.2	C
EB	Left Turn	396	323	81.6%	24.0	4.0	C
	Through	486	416	85.6%	14.0	2.6	B
	Right Turn	110	89	81.3%	12.2	1.4	B
	Subtotal	992	828	83.5%	17.9	2.7	B
WB	Left Turn						
	Through	346	360	104.0%	15.6	2.8	B
	Right Turn	77	75	97.7%	13.4	3.9	B
	Subtotal	423	435	102.9%	15.2	2.8	B
Total		3,178	2,867	90.2%	19.9	1.6	B

APPENDIX H-4: INTERSECTION VOLUMES AND GEOMETRIES



1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

Peak Hour Traffic Volumes and Lane Configurations – Existing Conditions





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/ Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso 	30. Alameda/Aliso

Peak Hour Traffic Volumes and Lane Configurations – Existing Conditions





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso*** 	30. Alameda/Aliso

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Project





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso*** 	30. Alameda/Aliso

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Project





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso***</p>	<p>30. Alameda/Aliso</p>

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso*** 	30. Alameda/Aliso

*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso</p>	<p>30. Alameda/Aliso</p>





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

Alternative 1 Volume Shifts





16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/ Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso 	30. Alameda/Aliso

*Volume entering Freeway





<p>31. US 101 Ramps/Commercial</p>	<p>32. Broadway/Temple</p>	<p>33. Spring/Temple</p>
<p>34. Main/Temple</p>	<p>35. Los Angeles/Temple</p>	<p>36. San Pedro/Temple</p>
<p>37. Alameda/Temple</p>	<p>38. Los Angeles/1st</p>	<p>39. San Pedro/1st</p>
<p>40. Central/1st</p>	<p>41. Alameda/1st</p>	<p></p>
<p></p>	<p></p>	<p></p>





1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

Alternative 2 Volume Shifts As Compared to Alternative 1





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso</p>	<p>30. Alameda/Aliso</p>

Alternative 2 Volume Shifts As Compared to Alternative 1





<p>31. US 101 Ramps/Commercial</p>	<p>32. Broadway/Temple</p>	<p>33. Spring/Temple</p>
<p>34. Main/Temple</p>	<p>35. Los Angeles/Temple</p>	<p>36. San Pedro/Temple</p>
<p>37. Alameda/Temple</p>	<p>38. Los Angeles/1st</p>	<p>39. San Pedro/1st</p>
<p>40. Central/1st</p>	<p>41. Alameda/1st</p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>

Alternative 2 Volume Shifts As Compared to Alternative 1



APPENDIX H-5: SCAG MODEL VOLUME COMPARISONS

**TABLE H-5-1
Conversion of LADOT Related Projects to SCAG Model Land Uses**

Status	LADOT Project ID	Project Title	Address	Related Project Land Uses [a]										SCAG Model Categories			
				Apartments (units)	Condos (units)	Retail SF	Restaurant SF	Office SF	Other SF	Hotel Rooms	Industrial SF	Hospital Beds	Medical Office Employees	Number of Residents [a]	Number of Households [b]	Number of Employees [c]	
IC	30998	Blossom Plaza	900 N Broadway		223	25000	15000		7000						446	223	94
IC	31507	DaVinci Apts	327 N Fremont Ave	1200		25000									2400	1200	50
C	31993	Ava Little Tokyo	200 S Los Angeles St	280	570	50000									1700	850	100
IC	32784	Bus Maintenance & Inspection Facility	454 E Commercial St								87120				0	0	87
IC	32867	Eastern Columbia	215 W 9th St		210	9000									420	210	18
IC	33110	Vibiana Lofts Mixed Use	225 S Los Angeles St		300	3400									600	300	7
NS	33243	5th and Olive	427 W 5th St		600		13872								1200	600	28
NS	33305	1101 N Main Condos	1101 N Main St		300										600	300	0
IC	33546	Mixed-use project (Megatoys)	905 E 2nd St		320	18712									640	320	37
NS	33596	Mixed use	745 S Spring St		247	10675									494	247	21
IC	33970	8th/Hope/Grand Project	609 W 8th St		225	30000	320000		200						450	225	825
IC	34450	MTA Bus Facility	920 Vignes St							534655					0	0	535
NS	34779	Beverly + Lucas Project	1430 W Beverly Blvd	157											314	157	0
C	34803	Kawada Tower	250 S Hill St		330	12000									660	330	24
IC	34975	Barlow Hospital Replacement & Master Plan	2000 Stadium Way		800	15000						56			1600	800	157
IC	35080	Wilshire Grand Project	900 W Wilshire Blvd			415000		400000		900					0	0	2993
NS	35867	Mixed Use	710 S Grand Ave	700		27000			5000						1400	700	64
C	40129	Grand Avenue	237 S Grand Ave	412	1648	449000		681000							4120	2060	3622
C	40175	ISAF retail/restaurant	201 S Broadway						27765						0	0	56
NS	40338	LA Civic Center Office	150 N Los Angeles St			35000		712500	2500						0	0	2925
IC	40882	Mixed Use	534 S Main St	160		18000	3500		3500						320	160	50
C	40927	Office	540 S Santa Fe Ave					65812							0	0	263
IC	41068	Mixed Use	840 S Olive St		303	1500	9680								606	303	22
NS	41113	Camden Arts Mixed Use	1525 E Industrial St	240		7165	4110								480	240	23
NS	41228	Mixed Use	400 S Broadway	450		7500	5000								900	450	25
NS	41269	Apartments	1185 W Sunset Blvd	210											420	210	0
IC	41367	Mixed Use	801 S Olive St	331			10000								662	331	20
NS	41460	Mixed Use	601 S Main St		45	25000									90	45	50
NS	41492	Mixed Use	820 S Olive St	589		4500									1178	589	9
NS	41554	Mixed Use	700 W Cesar Chavez Ave	247		8000									494	247	16
NS	41742	Mixed Use	1147 E Palmetto	120		20000				141					240	120	128
C	41918	Mixed Use (Coca Cola)	963 E 4th St			25000	20000	78600							0	0	404
NS	42089	Stadium Way & Chavez Ravine Apartments	959 E Stadium Way	158											316	158	0
NS	42151	Metro Operations Control Center	410 N Center St					114000							0	0	456
NS	42188	Kaiser Victor Heights	765 W College St					10000							0	0	40
NS	42281	La Plaza Cultura Village Project	527 N Spring St	345		44000	11000								690	345	110
NS	42361	Mixed Use	1335 W 1st St	101		3514									202	101	7
NS	42443	Residential	401 N Boylston St	101											202	101	0
NS	42499	Mixed Use	737 S Spring St	320					25000						640	320	50
NS	42547	Mixed Use	340 S Hill St	428			6700								856	428	13
IC	42563	Retail (Palmetto & Mateo)	555 S Mateo St		90	11000	5600								180	90	33
NS	42628	Mixed Use	1800 E 7th St	122				12278							244	122	49
NS	42665	520 Mateo	520 S Mateo St	350		14000	14000								700	350	56
NS	42671	Spphire Mixed Use	1111 W 6th St	362		18959	4980		1866						724	362	52
NS	42698	Mixed Use	732 S Spring St	400					15000						800	400	30
NS	42715	Apartments	118 S Astronaut e.s. onizuka	77											154	77	0
	42971	Alexan South Broadway	850 S Hill St		300	3500	3500								600	300	14
C	43026	Mixed Use	360 S Alameda St	55			2500	6300							110	55	30
	43247	Medallion Phase 2	300 S Main St	471		5190	27780								942	471	66
NS	43417	Restaurant	500 S Mateo St				12682								0	0	25
NS	43554	Clinic at 7th and Wall	649 S Wall St									55	66		0	0	191
													TOTAL		30000	15000	14000

Note: Completed projects projects were included as the SCAG RTP base year is 2008.

[a] Multiplier for residents was 2 residents per dwelling unit.

[b] Multiplier for households was 1 household per dwelling unit.

[c] Multiplier for retail, restaurant, office, other, and industrial land uses were 500 sf, 500 sf, 250 sf, 500 sf, and 1000 sf per employee.

Land Use Growth Comparison

Source	Number of Residents	Number of Households	Number of Employees
SCAG 2012 RTP Growth [a]	33,000	17,000	25,000
LADOT Related Project Land Use	30,000	15,000	14,000

Notes:

[a] Represents growth within the TAZ's encompassed by LADOT's related projects

Data from 2016 SCAG RTP

Link ID	2012 Trips		
	AM	PM	Daily
98233	1766	3153	8531
98244	1501	2709	6168
98245	2036	1362	5558
98271	5035	8008	25853
98275	4826	10875	23940
98279	5893	11894	28708
98280	6225	13186	30788
98283	7007	9168	26083
98288	7966	10154	33496
98305	3577	4842	12803
98318	4604	8220	22284
98324	885	1784	6858
105500	3862	5685	16634
105513	5134	7893	28968
105522	623	7331	9952
105560	6538	8619	33732
105567	6474	10156	30222
105568	5396	7970	19908
105581	4913	8125	28258
105583	4910	8227	26609
105584	687	10313	13145
105624	4347	6628	24364
105625	5505	8568	27719
105628	6332	9221	32815
105656	4023	7089	20970
105673	6591	8935	32655
105674	3650	4932	14661
105677	747	9015	12121
105716	3157	4684	12658
105736	3619	3610	14165
105737	6429	8696	29996
105738	5601	8494	28334
105739	5140	7561	22161
105740	5748	9146	30025
105750	6857	12352	36692
105767	5403	8795	27885
105768	1026	1493	3703
105783	5938	9255	25737
105785	4566	7263	20222
105787	6590	9846	30912
105794	5547	8678	26710
105795	1825	3052	7481
105806	5908	10357	30849
105807	250	5872	7599
105824	7913	10455	31465
105841	7113	9249	27439
105842	6185	9697	30052
105846	6234	8919	25751
105847	1814	2733	6353
105848	7340	15090	34909
105850	5723	9645	26808
105851	3582	5894	11179
105866	5883	11472	30467
105867	4161	7061	21238
105893	3785	4896	16977
105894	4401	8341	16166
105928	5403	9653	27035
105948	8415	13159	38646
105970	2820	4404	11454
105980	2173	3447	10326
106003	6869	10037	32190
106004	2226	3468	9536
106129	7617	12324	40860
106313	4115	7031	19045
106321	6022	10735	34187
106428	4594	7374	25464
106469	5726	9777	28396
106512	8615	15109	48792
106578	7330	12308	40679
106705	3142	5766	13970

Link ID	2016 Trips		
	AM	PM	Daily
98233	1727	3467	9028
98244	1570	2686	6643
98245	1954	1377	5891
98271	5157	8349	26857
98275	5104	11681	26221
98279	5960	12664	30896
98280	6429	13534	32886
98283	7163	9433	26973
98288	8151	10008	34381
98305	3354	5842	13387
98318	4527	8583	23314
98324	885	1898	7453
105500	4656	6862	19835
105513	5029	8043	29395
105522	783	7726	10727
105560	6599	8964	35409
105567	6678	10247	31578
105568	5704	7948	22055
105581	5063	8284	29345
105583	5041	8624	28461
105584	849	10649	13977
105624	4454	6790	25200
105625	5626	8597	28781
105628	6316	9282	33978
105656	3983	7163	21295
105673	6842	9389	34363
105674	3598	5037	14855
105677	925	8994	12653
105716	3273	5176	13947
105736	3602	3670	14367
105737	6619	9098	31573
105738	5679	8816	29444
105739	5541	7865	23302
105740	6217	9317	31439
105750	7216	12631	38749
105767	5608	9231	29480
105768	1011	1562	3788
105783	6590	9540	27898
105785	4832	7556	22165
105787	6882	10038	32438
105794	5859	8780	28535
105795	1877	3230	8688
105806	6231	10668	32711
105807	310	5873	7763
105824	8141	10724	33676
105841	7366	9468	29446
105842	6465	9995	31534
105846	6874	9673	28712
105847	1778	2770	6619
105848	7653	15310	37080
105850	5966	9703	28294
105851	3812	6425	12653
105866	6139	11639	31578
105867	4664	7575	23264
105893	4449	5586	18947
105894	4607	8958	18619
105928	5659	10059	28935
105948	8566	13339	40075
105970	3048	4613	12763
105980	2799	3974	11931
106003	7151	10233	33595
106004	2359	3595	10258
106129	7891	12655	42282
106313	4409	7407	20880
106321	6656	11187	35799
106428	4914	7690	26572
106469	5987	10329	30639
106512	8921	15558	50933
106578	8168	12625	42500
106705	3381	6448	16246

Link ID	2040 Trips		
	AM	PM	Daily
98233	1498	3145	9146
98244	1419	2947	7581
98245	1956	1670	6525
98271	4765	7571	25323
98275	4207	10007	22733
98279	5038	11064	27553
98280	5456	12505	30156
98283	6823	9565	28247
98288	7844	9988	34739
98305	2807	4931	12986
98318	4331	8395	23325
98324	872	1863	7490
105500	3955	5637	16299
105513	4928	7692	29821
105522	663	7647	11837
105560	6367	8781	35739
105567	5977	9938	30742
105568	5508	8308	23279
105581	5185	8298	31397
105583	4998	8589	29935
105584	723	10229	14591
105624	4766	6973	27115
105625	5511	8277	28104
105628	6275	9153	35463
105656	3989	6987	21666
105673	6498	8900	33975
105674	3432	5229	14572
105677	789	8385	12075
105716	2909	5252	14582
105736	3058	3505	14039
105737	6224	8567	30977
105738	5514	8425	28840
105739	5357	7659	22679
105740	6008	9327	32917
105750	6847	12735	40713
105767	5419	8296	28909
105768	806	792	2590
105783	5757	9153	25855
105785	4490	6865	20639
105787	5678	9058	30294
105794	5205	8287	27380
105795	1920	3410	9469
105806	6020	10564	33285
105807	196	5607	7212
105824	7161	10063	32418
105841	6384	8459	27623
105842	5947	9515	31547
105846	5715	8943	25789
105847	1451	2535	5580
105848	6557	14036	34706
105850	5045	9536	27218
105851	3628	6516	12723
105866	5571	10926	31092
105867	4775	8081	24018
105893	4257	5847	18785
105894	4529	8747	18338
105928	5835	10494	31171
105948	7282	11724	35380
105970	2741	4346	12161
105980	2698	4359	15315
106003	6595	10051	31664
106004	2195	3281	10120
106129	8057	13272	44765
106313	4860	7974	24257
106321	6964	11256	37684
106428	4815	8455	27933
106469	6156	10773	32406
106512	8912	15563	51544
106578	7377	12899	43599
106705	3754	7236	18525

106783	6746	11420	28256	7283	12096	31687	6174	10875	28755
106892	5100	8599	22732	5644	8853	24465	5328	8807	25582
126070	5562	5517	21648	5351	5717	21956	4662	5690	22017
126072	3600	4896	13162	3432	5939	13795	2951	4986	13419
126076	747	9016	12121	926	9011	12670	789	8388	12080
126077	792	8556	13129	1016	9174	14375	1087	8956	15652
126078	8043	12548	36348	8330	13560	38080	7611	13052	37478
126079	852	7259	12105	1092	7536	13069	1153	7115	13140
126080	4556	5272	16397	4709	5736	16487	4452	5380	17223
126082	7589	5704	24859	7923	5894	25560	7225	5836	25438
126084	1068	12	1234	1163	35	1564	983	178	1591
126086	3103	6043	14022	3053	6695	15141	2982	6612	16321
126089	1501	2709	6168	1570	2686	6643	1419	2947	7581
126096	3095	199	4445	3735	211	5168	3546	324	5012
126097	6463	12805	30603	6672	13153	32752	5620	12155	30159
129767	4589	8582	17025	4826	9204	19470	5027	9826	20735
129770	6097	11715	29483	6395	12051	31246	5792	11419	29534
145763	3056	5661	16435	3180	5794	17293	3235	5955	18056
153272	2532	3284	7085	2867	3754	8865	2343	3144	7584
153273	1226	2079	5034	1203	2489	5435	1061	1858	4516
153274	2732	4643	9189	3059	5687	11518	2599	4372	9673
153275	2006	3930	8592	2281	4422	9913	2299	4328	10279
153276	3271	6606	17277	3374	6521	17729	2981	6123	16830
1642929	3364	4833	12671	3751	5824	14063	3432	5064	14085
1642930	589	6788	10705	791	6999	11468	806	6720	11722
1642932	6579	11081	34125	7144	11600	36019	7319	12120	39104
1643152	7017	12127	32792	7308	12641	34763	6316	11374	31865
2663137	5972	11496	29051	6273	11821	30800	5569	11195	28950
2663138	5972	11496	29051	6273	11821	30800	5569	11195	28950
2663381	2016	1314	5106	2041	1449	5688	1938	1710	6189
2670236	3103	6463	15141	3053	7151	16296	2982	6912	17273
2672670	5403	9653	27035	5659	10059	28935	5835	10494	31171
2673736	4526	8560	16598	4729	9189	19065	4753	8971	18922
2673738	5972	11496	29051	6273	11821	30800	5569	11195	28950
2675595	6869	10694	32847	7151	10991	34353	6595	10444	32057
2675596	0	657	657	0	758	758	0	393	393
2675597	0	657	657	0	758	758	0	393	393
2675598	0	657	657	0	758	758	0	393	393
2675599	3781	5548	17624	4445	6339	19696	4253	6236	19169
2675600	4	662	666	4	763	767	4	399	403
2676608	5344	9690	26737	5628	10122	28690	5777	10559	30900
2685309	5505	8568	27719	5626	8597	28781	5511	8277	28104
2685312	6332	9221	32815	6316	9282	33978	6275	9153	35463
2685314	1501	2709	6168	1570	2686	6643	1419	2947	7581
2685316	5362	9474	26366	5503	9858	27169	5246	9766	27270
2685320	6185	9697	30052	6465	9995	31534	5947	9515	31547
2685324	2820	4404	11454	3048	4613	12763	2741	4346	12161
2685326	1381	2280	5802	1532	2520	6805	1612	3085	8443
2685328	1766	3153	8531	1727	3467	9028	1498	3145	9146
2685330	3881	7103	19425	4153	7345	20365	3564	6958	19318
2685340	5373	9305	26326	5579	9549	27080	4777	8843	25868
2687248	906	2110	4216	1175	2454	5689	1286	2531	6064
2687300	5100	8599	22732	5644	8853	24465	5328	8807	25582
2758289	5740	10438	27850	6032	10921	30248	6038	10944	31473
2758290	548	1299	2118	565	1485	2801	497	1084	2368
2758372	2699	5270	11824	2907	5750	13973	3205	6679	15767
Total	AM	PM	Daily	AM	PM	Daily	AM	PM	Daily
	539796	925819	2570227	566746	967174	2736637	530232	935236	2724859

	AM	PM	Daily		AM	PM	Daily
Growth from 2012 to 2016	5.0%	4.5%	6.5%	Growth from 2012 to 2040	-1.8%	1.0%	6.0%
Annual Growth from 2012 to 2016	1.23%	1.10%	1.58%	Annual Growth from 2012 to 2040	-0.06%	0.04%	0.21%

ID	2012 RTP Volumes			2040 RTP Volumes		
	AM	PM	DAILY	AM	PM	DAILY
2675598	0	656	656	0	420	420
2675600	4	660	664	4	425	429
105867	4189	7127	21386	4773	8149	24082
105846	6286	9004	25943	5801	8965	25858
105783	5987	9349	25936	5844	9257	26008
105739	5197	7650	22397	5428	7793	22926
126084	1080	11	1247	1090	196	1752
126096	3130	198	4494	3724	346	5534
2670235	3130	197	4493	3724	343	5531
126095	7080	2931	15535	7408	3026	16197
106004	2242	3499	9608	2189	3286	10186
145763	3091	5729	16596	3269	5957	18077
2758289	5793	10551	28119	6098	11105	31766
2676608	5395	9790	26989	5817	10723	31146
105928	5453	9758	27291	5875	10676	31435
2672670	5452	9758	27291	5875	10677	31436
105750	6928	12503	37074	6910	12916	40822
105625	5561	8667	27991	5515	8397	28319
105567	6529	10269	30471	6095	9974	31003
105521	4976	6539	21844	4777	7373	23209
2685309	5561	8667	27991	5516	8397	28321
106469	5770	9865	28559	6246	10777	32494
2675595	6944	10821	33194	6675	10496	32336
106003	6945	10166	32542	6675	10075	31915
105842	6232	9788	30251	6039	9489	31604
2685320	6232	9788	30249	6039	9489	31605
105806	5959	10462	31089	6089	10657	33679
98245	2043	1368	5581	1941	1673	6575
2663381	2025	1325	5135	1947	1712	6260
98244	1504	2738	6202	1440	2950	7579
2685314	1504	2738	6202	1440	2950	7579
126089	1504	2739	6203	1440	2950	7579
2685326	1393	2296	5845	1639	3169	8493
105795	1842	3080	7536	1942	3489	9547
105716	3184	4726	12758	2970	5258	14308
105628	6394	9332	33123	6290	9160	35425
105583	4957	8313	26842	5056	8740	30293
2685312	6394	9332	33123	6290	9160	35425
2665117	480	736	2748	905	1160	6010
105624	4392	6711	24599	4640	7063	26967
2675596	0	656	656	0	420	420
2675597	0	656	656	0	420	420
105787	6653	9953	31190	5769	8974	30137
105794	5596	8773	26941	5233	8341	27438
126097	6515	12961	30892	5725	12505	30795
98280	6280	13341	31081	5463	12822	30671
98279	5948	12038	28989	5044	11044	27737
98275	4872	11008	24184	4224	10004	22919
105824	7985	10568	31723	7211	10158	32525
105841	7180	9350	27687	6428	8471	27409
105848	7406	15254	35221	6597	13963	34423
105850	5774	9756	27054	5064	9425	26910
105866	5933	11598	30735	5757	11058	31113
126080	4596	5321	16531	4445	5497	17590
126072	3618	4937	13179	2834	5126	13411
1642929	3388	4879	12729	3449	5158	14245
105674	3665	4973	14710	3421	5383	14792
153276	3283	6661	17352	3070	6352	17187
2685340	5385	9378	26424	4795	8881	25863
2685330	3887	7152	19470	3566	6909	18989
106512	8708	15296	49318	9054	15817	52081
106578	7406	12456	41114	7534	13211	44252
106428	4646	7456	25758	4967	8516	28109
106129	7680	12438	41182	8167	13381	45048
105948	8474	13263	38924	7321	11889	35581
1643152	7042	12209	32917	6359	11408	31901
98305	3602	4886	12858	2733	5075	13045
98318	4656	8304	22529	4417	8472	23721
105656	4066	7162	21208	4027	7086	22074
105738	5669	8583	28668	5523	8425	29201
98271	5094	8091	26154	4863	7514	25521
105568	5449	8055	20072	5508	8394	23287
98288	8036	10262	33723	7713	9935	34298
98283	7079	9267	26284	6698	9454	27605

2670236	3128	6533	15241	3012	6773	16939
126086	3128	6114	14129	3012	6439	15963
105522	626	7404	10037	660	7687	12017
105584	686	10417	13247	717	10343	14751
105677	746	9096	12196	782	8397	12071
126076	746	9096	12195	782	8398	12073
105807	246	5932	7655	194	5523	7143
105851	3620	5957	11289	3629	6494	12655
105894	4447	8431	16330	4526	8770	18249
2673736	4573	8652	16769	4752	9030	18881
129767	4636	8676	17200	5045	9876	20669
2758372	2727	5329	11944	3289	6721	15758
106705	3172	5829	14087	3838	7285	18545
106783	6810	11533	28502	6271	10954	28970
106313	4138	7090	19153	4824	8134	24453
106321	6047	10818	34301	7095	11359	38080
1642932	6606	11165	34229	7291	12164	39272
106892	5142	8686	22904	5354	8888	25630
2687300	5142	8686	22903	5354	8888	25630
2687306	5142	8686	22904	5354	8888	25631
105970	2842	4440	11538	2758	4419	12277
2685324	2842	4440	11537	2759	4419	12277
2685316	5417	9566	26581	5360	9797	27538
126078	8123	12659	36597	7771	13124	37614
105736	3649	3629	14264	3089	3549	14134
126082	7665	5735	25035	7357	5861	25749
105768	1036	1506	3736	809	815	2627
153273	1240	2101	5087	1086	1805	4540
105847	1834	2767	6423	1441	2627	6161
129770	6155	11849	29763	5862	11636	30016
2673738	6029	11628	29325	5636	11375	29385
2663137	6030	11628	29325	5636	11375	29386
2663138	6029	11628	29324	5636	11375	29386
126070	5617	5549	21793	4723	5710	21967
105980	2184	3461	10355	2677	4294	15095
105893	3809	4935	17072	4284	5836	18861
2675599	3805	5587	17719	4280	6249	19271
153272	2559	3317	7154	2307	3182	7536
153274	2762	4689	9278	2579	4531	9804
153275	2028	3974	8684	2166	4616	10502
2685328	1767	3171	8569	1517	3127	9148
98233	1767	3171	8567	1517	3127	9147
105785	4598	7327	20357	4564	6798	20782
105740	5803	9261	30315	6027	9469	32887
105519	3931	6905	15858	3698	7041	18205
2687248	907	2125	4223	1242	2526	5844
105581	4955	8232	28504	5234	8497	31985
1642930	593	6873	10807	837	6912	11887
126077	800	8665	13268	1126	9074	15895
126079	859	7346	12216	1191	7130	13219
98324	893	1803	6878	897	1892	7524
105767	5451	8891	28120	5494	8428	29371
105737	6490	8793	30256	6305	8591	31349
105500	3896	5742	16789	4136	5606	16628
105673	6652	9025	32944	6716	9024	34474
105560	6592	8701	33979	6430	8880	35926
105513	5179	7982	29235	5039	7824	30158
	568629	960009	2672600	560381	969858	2832783

Total Growth from 2012 to 2014

Annual Growth

Growth Rate		
-1.5%	1.0%	6.0%
-0.05%	0.04%	0.21%

APPENDIX H-6: VISSIM OUTPUTS

EXISTING AM

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 1 Hill Street/Alpine Street Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	11	110.0%	4.2	A
	Through	250	270	107.9%	7.5	A
	Right Turn	20	20	102.0%	4.6	A
	Subtotal	280	301	107.6%	7.2	A
SB	Left Turn	25	23	90.8%	10.2	B
	Through	700	722	103.1%	10.2	B
	Right Turn	10	9	93.0%	7.8	A
	Subtotal	735	754	102.5%	10.2	B
EB	Left Turn					
	Through	144	149	103.6%	20.8	C
	Right Turn					
	Subtotal	144	149	103.6%	20.8	C
WB	Left Turn	50	49	97.0%	31.5	C
	Through	761	744	97.8%	30.2	C
	Right Turn	40	40	99.0%	26.6	C
	Subtotal	851	832	97.8%	30.1	C
Total		2,010	2,036	101.3%	18.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	38	36	95.0%	13.4	B
	Through	329	332	100.9%	7.5	A
	Right Turn	41	53	128.5%	6.9	A
	Subtotal	408	421	103.1%	7.9	A
SB	Left Turn	95	95	100.3%	19.4	B
	Through	1,224	1,268	103.6%	20.1	C
	Right Turn	198	196	98.9%	23.7	C
	Subtotal	1,517	1,559	102.8%	20.5	C
EB	Left Turn	19	20	106.8%	48.2	D
	Through	144	147	102.3%	32.2	C
	Right Turn	26	23	90.0%	17.0	B
	Subtotal	189	191	101.1%	32.1	C
WB	Left Turn	172	182	105.6%	37.8	D
	Through	615	599	97.4%	37.6	D
	Right Turn	78	78	99.4%	34.6	C
	Subtotal	865	858	99.2%	37.4	D
Total		2,979	3,029	101.7%	24.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	23	22	96.1%	50.8	D
	Right Turn					
	Subtotal	23	22	96.1%	50.8	D
SB	Left Turn					
	Through	20	17	82.5%	43.1	D
	Right Turn					
	Subtotal	20	17	82.5%	43.1	D
EB	Left Turn	20	21	105.5%	46.0	D
	Through	240	252	105.2%	23.3	C
	Right Turn	15	15	96.7%	26.4	C
	Subtotal	275	288	104.7%	25.5	C
WB	Left Turn	10	11	109.0%	18.5	B
	Through	925	916	99.1%	21.2	C
	Right Turn	80	77	96.4%	15.6	B
	Subtotal	1,015	1,004	98.9%	20.8	C
Total		1,333	1,331	99.8%	22.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	53	56	105.7%	20.7	C
	Through	295	319	108.3%	5.6	A
	Right Turn	12	13	105.0%	2.2	A
	Subtotal	360	388	107.8%	7.6	A
SB	Left Turn	138	138	99.8%	37.9	D
	Through	922	922	100.0%	43.2	D
	Right Turn	233	227	97.5%	206.2	F
	Subtotal	1,293	1,287	99.6%	74.1	E
EB	Left Turn	59	72	122.5%	26.6	C
	Through	120	119	98.8%	7.0	A
	Right Turn	61	62	101.0%	2.7	A
	Subtotal	240	252	105.2%	12.0	B
WB	Left Turn	48	46	96.7%	47.9	D
	Through	729	725	99.4%	30.8	C
	Right Turn	143	142	99.0%	7.4	A
	Subtotal	920	913	99.2%	28.3	C
Total		2,813	2,840	101.0%	41.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	80.0%	5.6	A
	Through	194	163	84.0%	16.7	B
	Right Turn	41	34	82.4%	12.4	B
	Subtotal	236	198	83.7%	16.1	B
SB	Left Turn	219	221	101.1%	13.7	B
	Through	479	477	99.6%	15.0	B
	Right Turn	529	530	100.1%	13.0	B
	Subtotal	1,227	1,228	100.1%	14.0	B
EB	Left Turn	67	66	98.5%	40.2	D
	Through	198	197	99.3%	20.9	C
	Right Turn	5	6	120.0%	6.4	A
	Subtotal	270	269	99.5%	25.6	C
WB	Left Turn					
	Through	390	383	98.1%	36.3	D
	Right Turn	177	176	99.4%	29.7	C
	Subtotal	567	558	98.5%	34.3	C
Total		2,300	2,253	97.9%	20.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 6		Vignes/Bauchet			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	19	19	101.6%	13.7	B
	Through	573	554	96.6%	8.3	A
	Right Turn	164	160	97.6%	5.4	A
	Subtotal	756	733	96.9%	7.8	A
SB	Left Turn	60	56	93.3%	14.6	B
	Through	407	405	99.6%	8.6	A
	Right Turn	12	12	99.2%	6.2	A
	Subtotal	479	473	98.8%	9.2	A
EB	Left Turn	4	4	105.0%	12.4	B
	Through	4	4	95.0%	8.5	A
	Right Turn	7	9	122.9%	5.2	A
	Subtotal	15	17	110.7%	10.2	B
WB	Left Turn	97	96	98.6%	20.4	C
	Through	4	4	95.0%	4.6	A
	Right Turn	23	23	99.1%	4.9	A
	Subtotal	124	122	98.5%	17.4	B
Total		1,374	1,345	97.9%	9.2	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	175	113.8%	47.0	D
	Through	363	387	106.6%	24.0	C
	Right Turn	57	59	103.0%	5.3	A
	Subtotal	574	621	108.2%	28.8	C
SB	Left Turn	145	136	93.7%	44.6	D
	Through	366	342	93.5%	26.7	C
	Right Turn	29	31	105.2%	15.2	B
	Subtotal	540	509	94.2%	30.7	C
EB	Left Turn	56	60	106.4%	27.6	C
	Through	450	477	106.0%	33.3	C
	Right Turn	214	243	113.4%	24.0	C
	Subtotal	720	779	108.2%	30.0	C
WB	Left Turn	245	253	103.1%	25.4	C
	Through	1,226	1,153	94.0%	40.2	D
	Right Turn	334	316	94.7%	7.5	A
	Subtotal	1,805	1,721	95.4%	31.9	C
Total		3,639	3,630	99.8%	30.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	6	6	93.3%	35.7	D
	Through					
	Right Turn	8	5	66.3%	4.8	A
	Subtotal	14	11	77.9%	25.9	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	635	655	103.1%	2.0	A
	Right Turn	17	18	108.2%	1.8	A
	Subtotal	652	673	103.2%	2.0	A
WB	Left Turn	6	6	106.7%	32.5	C
	Through	1,795	1,696	94.5%	112.2	F
	Right Turn	31	27	86.1%	91.9	F
	Subtotal	1,832	1,729	94.4%	111.7	F
Total		2,498	2,413	96.6%	78.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	207	200	96.7%	75.7	E
	Through	487	491	100.8%	22.4	C
	Right Turn	88	87	98.6%	2.7	A
	Subtotal	782	778	99.5%	35.7	D
SB	Left Turn	25	23	92.4%	129.3	F
	Through	993	930	93.7%	138.1	F
	Right Turn	717	686	95.7%	252.3	F
	Subtotal	1,735	1,639	94.5%	188.4	F
EB	Left Turn	269	294	109.3%	51.0	D
	Through	254	250	98.3%	55.8	E
	Right Turn	120	116	96.9%	29.3	C
	Subtotal	643	660	102.7%	48.7	D
WB	Left Turn	297	291	98.0%	162.5	F
	Through	908	878	96.6%	160.0	F
	Right Turn	8	7	90.0%	178.0	F
	Subtotal	1,213	1,176	96.9%	160.6	F
Total		4,373	4,253	97.3%	127.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	12	110.9%	13.0	B
	Through	345	376	109.1%	7.8	A
	Right Turn					
	Subtotal	356	389	109.1%	8.0	A
SB	Left Turn					
	Through	1,028	1,027	99.9%	2.5	A
	Right Turn	3	4	126.7%	2.0	A
	Subtotal	1,031	1,031	100.0%	2.5	A
EB	Left Turn					
	Through					
	Right Turn	10	10	104.0%	5.8	A
	Subtotal	10	10	104.0%	5.8	A
WB	Left Turn	454	454	100.0%	22.7	C
	Through	15	15	101.3%	25.4	C
	Right Turn	15	12	78.7%	19.4	B
	Subtotal	484	481	99.4%	22.7	C
Total		1,881	1,911	101.6%	9.0	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 11		Hill/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	14	92.7%	12.5	B
	Through	250	271	108.5%	9.3	A
	Right Turn	15	16	108.0%	4.9	A
	Subtotal	280	301	107.6%	9.4	A
SB	Left Turn	35	37	105.1%	12.1	B
	Through	700	718	102.5%	8.7	A
	Right Turn	15	16	109.3%	13.3	B
	Subtotal	750	771	102.8%	8.9	A
EB	Left Turn	10	9	86.0%	29.7	C
	Through	72	67	93.1%	25.6	C
	Right Turn	10	10	102.0%	19.8	B
	Subtotal	92	86	93.3%	25.8	C
WB	Left Turn	41	39	94.9%	33.3	C
	Through	250	252	100.7%	29.7	C
	Right Turn	20	23	115.5%	10.9	B
	Subtotal	311	314	100.9%	28.7	C
Total		1,433	1,472	102.7%	14.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	56	57	101.4%	35.0	D
	Through	366	366	100.0%	5.3	A
	Right Turn	70	66	93.7%	10.9	B
	Subtotal	492	488	99.3%	9.3	A
SB	Left Turn	80	107	134.0%	23.8	C
	Through	1,202	1,231	102.4%	16.0	B
	Right Turn	140	140	100.1%	23.3	C
	Subtotal	1,422	1,478	104.0%	17.2	B
EB	Left Turn	5	6	120.0%	32.3	C
	Through	81	80	98.9%	39.0	D
	Right Turn	36	33	92.8%	27.0	C
	Subtotal	122	120	98.0%	35.7	D
WB	Left Turn	61	46	74.9%	58.3	E
	Through	115	94	81.8%	50.7	D
	Right Turn	37	41	111.4%	36.1	D
	Subtotal	213	181	85.0%	48.9	D
Total		2,249	2,267	100.8%	19.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 13

Alameda/Main

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	449	443	98.7%	3.1	A
	Right Turn	44	43	96.8%	2.7	A
	Subtotal	493	486	98.5%	3.0	A
SB	Left Turn	33	33	100.0%	8.8	A
	Through	1,306	1,312	100.4%	15.5	B
	Right Turn					
	Subtotal	1,339	1,345	100.4%	15.4	B
EB	Left Turn	193	198	102.4%	29.9	C
	Through	45	46	102.4%	21.7	C
	Right Turn	16	19	116.9%	20.2	C
	Subtotal	254	262	103.3%	27.8	C
WB	Left Turn	20	21	105.0%	38.7	D
	Through					
	Right Turn	6	6	96.7%	4.0	A
	Subtotal	26	27	103.1%	32.3	C
Total		2,112	2,119	100.4%	14.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	114	114	100.1%	29.3	C
	Through	313	315	100.5%	25.2	C
	Right Turn	90	95	105.1%	19.9	B
	Subtotal	517	523	101.2%	25.2	C
SB	Left Turn	126	128	101.4%	61.0	E
	Through	810	817	100.9%	47.7	D
	Right Turn	363	363	100.0%	34.0	C
	Subtotal	1,299	1,308	100.7%	45.3	D
EB	Left Turn	130	132	101.5%	39.6	D
	Through	724	744	102.7%	22.2	C
	Right Turn	90	89	99.0%	11.7	B
	Subtotal	945	965	102.1%	23.6	C
WB	Left Turn	126	120	95.0%	15.0	B
	Through	1,374	1,268	92.3%	11.9	B
	Right Turn	49	42	85.3%	5.7	A
	Subtotal	1,549	1,430	92.3%	12.0	B
Total		4,310	4,226	98.0%	26.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 15 Spring/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	3	3	93.3%	42.1	D
	Through	332	324	97.7%	113.1	F
	Right Turn	164	156	95.1%	98.5	F
	Subtotal	499	483	96.8%	107.3	F
EB	Left Turn					
	Through	663	689	103.9%	9.0	A
	Right Turn	277	294	106.1%	4.6	A
	Subtotal	940	983	104.6%	7.7	A
WB	Left Turn	189	209	110.7%	52.3	D
	Through	1,385	1,233	89.0%	51.1	D
	Right Turn	17	17	97.1%	17.4	B
	Subtotal	1,591	1,459	91.7%	50.8	D
Total		3,030	2,924	96.5%	46.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	138	135	97.5%	39.7	D
	Through	178	180	101.3%	28.9	C
	Right Turn	85	89	104.1%	17.2	B
	Subtotal	401	403	100.6%	29.6	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	62	66	106.5%	29.8	C
	Through	604	648	107.3%	2.9	A
	Right Turn					
	Subtotal	666	714	107.2%	5.3	A
WB	Left Turn					
	Through	1,438	1,296	90.1%	18.7	B
	Right Turn	14	16	116.4%	1.4	A
	Subtotal	1,452	1,312	90.3%	18.5	B
Total		2,519	2,429	96.4%	16.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	126	125	99.1%	74.6	E
	Through	399	396	99.2%	29.7	C
	Right Turn	119	127	106.6%	20.7	C
	Subtotal	644	648	100.6%	36.1	D
SB	Left Turn	91	97	106.9%	13.6	B
	Through	1,115	1,118	100.2%	26.1	C
	Right Turn	136	133	97.9%	28.7	C
	Subtotal	1,342	1,348	100.5%	25.5	C
EB	Left Turn	48	48	99.0%	12.2	B
	Through	521	574	110.2%	6.1	A
	Right Turn	120	124	103.2%	8.5	A
	Subtotal	689	746	108.2%	7.0	A
WB	Left Turn	114	107	93.9%	25.0	C
	Through	1,190	1,089	91.5%	53.7	D
	Right Turn	46	42	92.0%	34.8	C
	Subtotal	1,350	1,238	91.7%	50.7	D
Total		4,025	3,980	98.9%	31.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	56	55	98.6%	55.8	E
	Through					
	Right Turn	62	60	96.9%	16.9	B
	Subtotal	118	115	97.7%	36.0	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	658	722	109.7%	3.1	A
	Right Turn	73	77	105.2%	2.5	A
	Subtotal	731	799	109.2%	3.1	A
WB	Left Turn	81	70	86.8%	122.0	F
	Through	1,328	1,237	93.1%	157.6	F
	Right Turn					
	Subtotal	1,409	1,307	92.7%	155.6	F
Total		2,258	2,221	98.3%	92.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	508	503	99.1%	12.5	B
	Right Turn	113	114	100.6%	8.2	A
	Subtotal	621	617	99.4%	11.7	B
SB	Left Turn	56	61	109.6%	13.2	B
	Through	1,029	975	94.8%	12.7	B
	Right Turn	320	315	98.3%	20.4	C
	Subtotal	1,405	1,351	96.2%	14.5	B
EB	Left Turn	97	106	108.8%	27.4	C
	Through	54	51	93.9%	32.1	C
	Right Turn	19	17	87.4%	7.4	A
	Subtotal	170	173	101.6%	27.0	C
WB	Left Turn	107	108	100.7%	28.0	C
	Through	58	60	102.8%	25.3	C
	Right Turn	39	41	104.1%	6.2	A
	Subtotal	204	208	102.0%	23.0	C
Total		2,400	2,349	97.9%	15.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	419	442	105.5%	13.8	B
	Through					
	Right Turn					
	Subtotal	419	442	105.5%	13.8	B
SB	Left Turn	711	699	98.4%	17.1	B
	Through					
	Right Turn					
	Subtotal	711	699	98.4%	17.1	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	355	334	94.1%	23.6	C
	Through					
	Right Turn	780	747	95.7%	11.2	B
	Subtotal	1,135	1,081	95.2%	15.0	B
Total		2,265	2,222	98.1%	15.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	800	687	85.9%	22.1	C
	Right Turn	12	10	85.8%	13.1	B
	Subtotal	812	697	85.8%	22.0	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	514	543	105.5%	27.8	C
	Through	1,123	1,070	95.3%	23.5	C
	Right Turn					
	Subtotal	1,637	1,612	98.5%	25.0	C
Total		2,449	2,310	94.3%	24.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	76	79	103.6%	5.7	A
	Through	326	332	101.7%	4.8	A
	Right Turn					
	Subtotal	402	410	102.1%	5.1	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	1,561	1,525	97.7%	21.8	C
	Right Turn	75	72	96.3%	18.6	B
	Subtotal	1,636	1,598	97.6%	21.7	C
Total		2,038	2,008	98.5%	18.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	86	89	103.1%	16.1	B
	Through	257	270	105.2%	4.5	A
	Right Turn					
	Subtotal	343	359	104.7%	7.3	A
SB	Left Turn					
	Through	337	334	99.1%	17.6	B
	Right Turn	37	36	97.8%	15.3	B
	Subtotal	374	370	98.9%	17.5	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	350	326	93.2%	37.4	D
	Through	1,513	1,481	97.9%	36.2	D
	Right Turn	69	64	92.5%	37.4	D
	Subtotal	1,932	1,871	96.8%	36.5	D
Total		2,649	2,600	98.1%	29.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	138	139	100.6%	87.3	F
	Through	773	765	99.0%	31.1	C
	Right Turn	49	84	171.6%	29.3	C
	Subtotal	960	988	102.9%	39.3	D
SB	Left Turn	13	34	257.7%	45.2	D
	Through	832	808	97.1%	53.9	D
	Right Turn	67	72	107.3%	54.0	D
	Subtotal	912	913	100.1%	53.7	D
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	465	436	93.7%	112.2	F
	Through	1,727	1,652	95.7%	103.6	F
	Right Turn	222	208	93.8%	104.0	F
	Subtotal	2,414	2,296	95.1%	105.3	F
Total		4,286	4,198	97.9%	78.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	34	33	95.6%	40.7	D
	Through	173	168	96.8%	23.0	C
	Right Turn	98	95	97.0%	2.8	A
	Subtotal	305	295	96.8%	18.6	B
SB	Left Turn	441	417	94.5%	47.1	D
	Through	157	152	96.6%	18.7	B
	Right Turn	227	272	119.6%	27.8	C
	Subtotal	825	840	101.8%	35.7	D
EB	Left Turn	111	151	135.6%	46.1	D
	Through	66	62	94.2%	37.6	D
	Right Turn	68	78	114.4%	21.4	C
	Subtotal	245	291	118.6%	38.4	D
WB	Left Turn	106	107	100.9%	36.4	D
	Through	130	147	113.2%	38.9	D
	Right Turn	363	372	102.5%	12.3	B
	Subtotal	599	626	104.5%	22.9	C
Total		1,974	2,052	103.9%	29.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 26		Broadway/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	299	325	108.8%	9.8	A
	Right Turn	78	77	98.8%	3.4	A
	Subtotal	377	402	106.7%	8.4	A
SB	Left Turn	128	124	97.1%	10.7	B
	Through	938	906	96.6%	7.1	A
	Right Turn					
	Subtotal	1,066	1,031	96.7%	7.5	A
EB	Left Turn	120	121	101.1%	23.8	C
	Through	270	275	101.7%	21.3	C
	Right Turn	150	162	108.0%	10.0	A
	Subtotal	540	558	103.3%	18.5	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,983	1,991	100.4%	10.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	159	145	91.3%	1.7	A
	Through	1,155	1,227	106.2%	12.6	B
	Right Turn					
	Subtotal	1,314	1,372	104.4%	11.5	B
EB	Left Turn					
	Through	284	283	99.6%	16.6	B
	Right Turn	192	193	100.4%	12.0	B
	Subtotal	476	476	99.9%	14.8	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,790	1,848	103.2%	12.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	356	364	102.3%	6.8	A
	Right Turn	211	208	98.4%	16.8	B
	Subtotal	567	572	100.9%	10.4	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	46	45	98.7%	8.4	A
	Through	397	416	104.7%	17.1	B
	Right Turn					
	Subtotal	443	461	104.0%	16.3	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,010	1,033	102.3%	13.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	325	341	104.9%	15.3	B
	Right Turn	83	140	168.7%	17.6	B
	Subtotal	466	481	103.2%	16.0	B
SB	Left Turn					
	Through	687	660	96.0%	12.4	B
	Right Turn					
	Subtotal	687	660	96.0%	12.4	B
EB	Left Turn	229	236	103.0%	18.8	B
	Through	211	244	115.8%	32.6	C
	Right Turn	150	145	96.5%	31.8	C
	Subtotal	608	625	102.8%	27.4	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,761	1,766	100.3%	18.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	717	717	100.0%	96.1	F
	Right Turn	151	158	104.8%	19.1	B
	Subtotal	868	875	100.8%	81.4	F
SB	Left Turn	143	133	92.9%	40.3	D
	Through	1,154	1,114	96.5%	16.9	B
	Right Turn					
	Subtotal	1,297	1,247	96.1%	19.5	B
EB	Left Turn	54	88	163.5%	37.9	D
	Through	62	65	104.5%	28.1	C
	Right Turn	153	149	97.4%	11.0	B
	Subtotal	269	302	112.3%	21.9	C
WB	Left Turn	145	139	95.8%	17.1	B
	Through					
	Right Turn	189	187	98.7%	42.1	D
	Subtotal	334	326	97.5%	32.2	C
Total		2,768	2,749	99.3%	41.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	13	12	94.6%	30.5	C
	Through	37	34	91.4%	32.5	C
	Right Turn	7	7	97.1%	7.1	A
	Subtotal	57	53	92.8%	29.3	C
SB	Left Turn	197	209	106.2%	34.2	C
	Through	59	61	103.2%	33.8	C
	Right Turn	183	180	98.3%	5.4	A
	Subtotal	439	450	102.5%	23.2	C
EB	Left Turn	206	205	99.7%	25.8	C
	Through	75	80	107.1%	19.1	B
	Right Turn	25	26	104.8%	8.7	A
	Subtotal	306	312	101.9%	22.8	C
WB	Left Turn	10	9	88.0%	27.3	C
	Through	118	112	94.7%	28.6	C
	Right Turn	104	102	98.4%	17.3	B
	Subtotal	232	223	96.1%	23.4	C
Total		1,034	1,038	100.3%	23.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 32 Broadway/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	332	359	108.0%	7.6	A
	Right Turn					
	Subtotal	332	359	108.0%	7.6	A
SB	Left Turn	50	48	96.2%	6.7	A
	Through	988	965	97.7%	7.5	A
	Right Turn	50	59	118.6%	10.2	B
	Subtotal	1,088	1,073	98.6%	7.6	A
EB	Left Turn	20	21	104.0%	33.6	C
	Through	555	577	103.9%	20.7	C
	Right Turn	150	144	95.9%	17.9	B
	Subtotal	725	741	102.2%	20.5	C
WB	Left Turn	75	66	87.9%	26.9	C
	Through	938	940	100.2%	17.4	B
	Right Turn	25	23	93.2%	16.2	B
	Subtotal	1,038	1,029	99.1%	18.0	B
Total		3,183	3,201	100.6%	13.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	55	53	96.9%	24.1	C
	Through	1,100	1,172	106.6%	19.8	B
	Right Turn	192	196	101.9%	32.6	C
	Subtotal	1,347	1,421	105.5%	21.8	C
EB	Left Turn					
	Through	468	499	106.6%	18.2	B
	Right Turn	137	134	98.0%	21.6	C
	Subtotal	605	633	104.6%	18.9	B
WB	Left Turn	110	120	109.3%	11.0	B
	Through	846	861	101.8%	11.7	B
	Right Turn					
	Subtotal	956	982	102.7%	11.6	B
Total		2,908	3,036	104.4%	17.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	116	118	101.4%	22.4	C
	Through	423	434	102.6%	20.8	C
	Right Turn	169	172	101.6%	17.0	B
	Subtotal	708	723	102.1%	20.1	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	58	61	104.7%	12.4	B
	Through	465	489	105.1%	14.4	B
	Right Turn					
	Subtotal	523	550	105.1%	14.1	B
WB	Left Turn					
	Through	840	856	101.9%	11.4	B
	Right Turn	86	84	97.2%	12.2	B
	Subtotal	926	939	101.4%	11.5	B
Total		2,157	2,154	99.8%	20.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	73	74	101.5%	21.7	C
	Through	322	325	101.0%	12.8	B
	Right Turn	49	49	99.8%	19.8	B
	Subtotal	444	448	100.9%	15.2	B
SB	Left Turn	160	153	95.7%	26.6	C
	Through	845	812	96.0%	17.3	B
	Right Turn	84	96	114.6%	25.3	C
	Subtotal	1,089	1,061	97.4%	19.4	B
EB	Left Turn	30	43	141.7%	72.1	E
	Through	370	389	105.0%	24.3	C
	Right Turn	234	225	96.2%	23.9	C
	Subtotal	634	656	103.5%	27.3	C
WB	Left Turn	106	102	96.6%	40.2	D
	Through	769	769	100.0%	51.9	D
	Right Turn	114	112	97.9%	45.1	D
	Subtotal	989	983	99.4%	50.0	D
Total		3,156	3,148	99.7%	30.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	74	78	105.0%	18.2	B
	Through					
	Right Turn	41	57	137.8%	11.4	B
	Subtotal	115	134	116.7%	15.5	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	320	332	103.6%	8.6	A
	Right Turn	259	256	98.9%	8.4	A
	Subtotal	579	588	101.5%	8.5	A
WB	Left Turn	144	162	112.2%	13.9	B
	Through	915	908	99.3%	12.9	B
	Right Turn					
	Subtotal	1,059	1,070	101.0%	13.0	B
Total		1,753	1,792	102.2%	11.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	233	234	100.4%	35.0	D
	Through	724	727	100.5%	43.6	D
	Second Right					
	Subtotal	957	961	100.4%	41.5	D
SB	Left Turn	65	60	91.8%	47.3	D
	Through	910	875	96.2%	34.8	C
	Second Right					
	Subtotal	1,452	1,395	96.1%	29.0	C
EB	Left Turn	77	84	108.8%	24.6	C
	Through	158	179	113.0%	23.9	C
	Second Right					
	Subtotal	361	386	106.8%	29.2	C
WB	Left Turn	25	24	96.4%	65.2	E
	Through	349	383	109.7%	71.3	E
	Second Right					
	Subtotal	441	477	108.1%	71.3	E
Total		3,211	3,219	100.2%	39.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	424	422	99.6%	16.4	B
	Right Turn					
	Subtotal	424	422	99.6%	16.4	B
SB	Left Turn	50	48	96.0%	19.9	B
	Through	985	944	95.8%	20.0	B
	Right Turn	150	145	96.7%	11.7	B
	Subtotal	1,185	1,137	95.9%	19.0	B
EB	Left Turn	10	13	134.0%	20.9	C
	Through	499	534	106.9%	11.0	B
	Right Turn	90	89	99.1%	7.5	A
	Subtotal	599	636	106.2%	10.8	B
WB	Left Turn	45	41	91.1%	9.5	A
	Through	765	783	102.4%	7.4	A
	Right Turn	10	10	96.0%	2.9	A
	Subtotal	820	834	101.7%	7.5	A
Total		3,028	3,029	100.0%	13.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	24	162.7%	26.9	C
	Through	95	96	100.8%	15.1	B
	Right Turn	20	18	89.0%	6.8	A
	Subtotal	130	138	106.2%	16.3	B
SB	Left Turn	15	13	88.0%	19.2	B
	Through	368	370	100.5%	16.8	B
	Right Turn	20	34	171.0%	28.9	C
	Subtotal	403	417	103.5%	17.8	B
EB	Left Turn	10	29	288.0%	19.3	B
	Through	524	539	102.8%	6.2	A
	Right Turn	15	14	96.0%	5.5	A
	Subtotal	549	582	106.0%	6.7	A
WB	Left Turn	22	22	99.1%	11.8	B
	Through	785	781	99.5%	10.3	B
	Right Turn	10	10	100.0%	5.8	A
	Subtotal	817	813	99.5%	10.3	B
Total		1,899	1,950	102.7%	11.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	150	146	97.0%	23.6	C
	Through					
	Right Turn	10	10	101.0%	5.6	A
	Subtotal	160	156	97.3%	22.3	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	459	488	106.3%	14.5	B
	Right Turn	100	102	102.1%	14.5	B
	Subtotal	559	590	105.6%	14.5	B
WB	Left Turn	25	23	91.2%	14.6	B
	Through	667	684	102.5%	7.4	A
	Right Turn					
	Subtotal	692	707	102.1%	7.7	A
Total		1,411	1,453	102.9%	12.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
AM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	2	2	85.0%	6.3	A
	Through	901	902	100.1%	33.7	C
	Right Turn	49	51	104.9%	9.9	A
	Subtotal	952	955	100.3%	32.5	C
SB	Left Turn	23	21	91.3%	34.8	C
	Through	858	826	96.2%	13.2	B
	Right Turn	180	175	97.2%	10.0	A
	Subtotal	1,061	1,022	96.3%	13.0	B
EB	Left Turn	30	31	102.3%	15.0	B
	Through	389	419	107.7%	10.8	B
	Right Turn	50	50	100.8%	15.2	B
	Subtotal	469	500	106.7%	11.6	B
WB	Left Turn					
	Through	510	527	103.4%	14.5	B
	Right Turn	26	27	104.6%	13.6	B
	Subtotal	536	555	103.5%	14.5	B
Total		3,018	3,031	100.4%	19.4	B

EXISTING PM

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 1 Hill Street/Alpine Street Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	30	32	105.7%	19.6	B
	Through	620	653	105.3%	17.3	B
	Right Turn	65	66	101.1%	16.5	B
	Subtotal	715	750	105.0%	17.4	B
SB	Left Turn	15	15	97.3%	13.3	B
	Through	382	406	106.3%	8.7	A
	Right Turn	25	26	105.6%	7.6	A
	Subtotal	422	447	106.0%	8.8	A
EB	Left Turn	45	48	106.2%	23.4	C
	Through	264	263	99.5%	18.2	B
	Right Turn	15	15	100.7%	13.0	B
	Subtotal	324	326	100.5%	18.8	B
WB	Left Turn	30	28	94.7%	37.2	D
	Through	320	317	99.2%	28.1	C
	Right Turn	80	81	100.8%	22.5	C
	Subtotal	430	426	99.1%	27.9	C
Total		1,891	1,950	103.1%	18.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	56	51	91.3%	20.2	C
	Through	1,083	1,083	100.0%	21.4	C
	Right Turn	97	104	107.5%	22.0	C
	Subtotal	1,236	1,238	100.2%	21.4	C
SB	Left Turn	54	53	97.6%	25.7	C
	Through	615	649	105.5%	12.8	B
	Right Turn	47	46	98.3%	13.3	B
	Subtotal	716	748	104.4%	13.9	B
EB	Left Turn	76	75	99.2%	18.2	B
	Through	230	233	101.4%	9.2	A
	Right Turn	38	36	95.3%	4.5	A
	Subtotal	344	345	100.2%	10.7	B
WB	Left Turn	51	62	121.4%	23.5	C
	Through	327	333	101.9%	27.0	C
	Right Turn	244	251	103.0%	26.7	C
	Subtotal	622	646	103.9%	26.7	C
Total		2,918	2,977	102.0%	19.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	8	7	86.3%	41.1	D
	Through					
	Right Turn	99	74	74.8%	20.4	C
	Subtotal	107	81	75.7%	22.5	C
SB	Left Turn	17	15	88.8%	24.9	C
	Through	28	27	96.8%	44.7	D
	Right Turn	8	8	95.0%	12.3	B
	Subtotal	53	50	94.0%	35.9	D
EB	Left Turn	10	11	108.0%	29.6	C
	Through	366	377	103.1%	18.8	B
	Right Turn	15	15	98.0%	20.8	C
	Subtotal	391	403	103.0%	19.3	B
WB	Left Turn	7	7	95.7%	5.5	A
	Through	613	628	102.5%	12.1	B
	Right Turn	12	11	95.0%	6.6	A
	Subtotal	632	646	102.3%	12.0	B
Total		1,183	1,180	99.7%	16.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	171	174	101.7%	17.7	B
	Through	950	984	103.5%	13.1	B
	Right Turn	48	52	108.1%	18.2	B
	Subtotal	1,169	1,209	103.5%	14.2	B
SB	Left Turn	93	90	96.8%	35.0	D
	Through	384	392	102.0%	11.6	B
	Right Turn	55	66	120.5%	8.3	A
	Subtotal	532	548	103.0%	15.2	B
EB	Left Turn	100	106	106.0%	16.6	B
	Through	314	312	99.3%	20.5	C
	Right Turn	68	67	98.5%	7.7	A
	Subtotal	482	485	100.6%	17.9	B
WB	Left Turn	54	54	100.6%	29.0	C
	Through	406	406	100.0%	20.8	C
	Right Turn	352	350	99.5%	9.6	A
	Subtotal	812	811	99.8%	16.7	B
Total		2,995	3,053	101.9%	15.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	5	4	70.0%	11.1	B
	Through	639	553	86.5%	19.0	B
	Right Turn	34	29	84.4%	14.4	B
	Subtotal	678	585	86.2%	18.8	B
SB	Left Turn	183	180	98.3%	40.8	D
	Through	267	264	98.7%	22.4	C
	Right Turn	181	182	100.3%	16.2	B
	Subtotal	631	625	99.0%	25.8	C
EB	Left Turn	222	219	98.8%	72.4	E
	Through	232	234	101.0%	23.6	C
	Right Turn	1	1	120.0%	0.0	A
	Subtotal	455	455	100.0%	48.1	D
WB	Left Turn					
	Through	626	624	99.7%	34.3	C
	Right Turn	352	347	98.5%	41.5	D
	Subtotal	978	971	99.3%	36.9	D
Total		2,742	2,635	96.1%	32.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	30	26	88.0%	12.8	B
	Through	920	905	98.4%	11.7	B
	Right Turn	77	79	102.2%	6.7	A
	Subtotal	1,027	1,011	98.4%	11.3	B
SB	Left Turn	28	29	103.2%	16.0	B
	Through	405	398	98.2%	10.0	B
	Right Turn	5	5	96.0%	5.3	A
	Subtotal	438	432	98.5%	10.4	B
EB	Left Turn	11	12	108.2%	20.2	C
	Through	5	5	94.0%	16.2	B
	Right Turn	19	19	100.5%	10.0	A
	Subtotal	35	36	102.0%	14.4	B
WB	Left Turn	134	131	97.5%	21.4	C
	Through	6	5	90.0%	21.2	C
	Right Turn	62	62	99.7%	6.6	A
	Subtotal	202	198	98.0%	17.3	B
Total		1,702	1,676	98.5%	11.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	279	280	100.4%	52.5	D
	Through	677	692	102.2%	34.0	C
	Right Turn	145	153	105.7%	13.2	B
	Subtotal	1,101	1,125	102.2%	35.2	D
SB	Left Turn	238	223	93.7%	44.1	D
	Through	310	280	90.5%	29.5	C
	Right Turn	47	43	91.7%	13.1	B
	Subtotal	595	547	91.8%	34.2	C
EB	Left Turn	46	47	101.7%	50.3	D
	Through	922	944	102.4%	56.8	E
	Right Turn	257	282	109.6%	43.0	D
	Subtotal	1,225	1,273	103.9%	53.5	D
WB	Left Turn	137	153	111.8%	40.6	D
	Through	842	874	103.8%	40.6	D
	Right Turn	304	302	99.5%	5.6	A
	Subtotal	1,283	1,330	103.6%	32.8	C
Total		4,204	4,274	101.7%	40.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	3	3	110.0%	19.9	B
	Through					
	Right Turn	4	5	112.5%	2.6	A
	Subtotal	7	8	111.4%	19.1	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,303	1,320	101.3%	1.9	A
	Right Turn	2	2	115.0%	0.8	A
	Subtotal	1,305	1,323	101.3%	1.9	A
WB	Left Turn	14	0	0.0%	0.0	A
	Through	1,280	1,309	102.3%	45.3	D
	Right Turn	7	0	0.0%	0.0	A
	Subtotal	1,301	1,309	100.6%	45.3	D
Total		2,613	2,639	101.0%	22.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	288	275	95.5%	142.3	F
	Through	565	565	100.0%	33.0	C
	Right Turn	81	85	104.7%	3.1	A
	Subtotal	934	925	99.0%	63.6	E
SB	Left Turn	45	47	105.3%	47.5	D
	Through	463	454	98.1%	45.7	D
	Right Turn	358	393	109.8%	17.7	B
	Subtotal	866	895	103.3%	33.7	C
EB	Left Turn	399	428	107.2%	37.9	D
	Through	630	616	97.7%	47.8	D
	Right Turn	278	275	98.7%	39.0	D
	Subtotal	1,307	1,318	100.8%	42.7	D
WB	Left Turn	167	165	98.6%	44.9	D
	Through	655	662	101.1%	47.1	D
	Right Turn	26	26	99.2%	36.1	D
	Subtotal	848	853	100.5%	46.5	D
Total		3,955	3,990	100.9%	46.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,154	1,198	103.8%	11.6	B
	Right Turn					
	Subtotal	1,154	1,198	103.8%	11.6	B
SB	Left Turn					
	Through	501	508	101.3%	2.4	A
	Right Turn	5	6	110.0%	0.2	A
	Subtotal	506	513	101.4%	2.4	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	253	252	99.5%	42.3	D
	Through					
	Right Turn	15	14	91.3%	35.5	D
	Subtotal	268	266	99.1%	42.0	D
Total		1,928	1,976	102.5%	13.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	20	100.5%	19.2	B
	Through	620	641	103.3%	12.3	B
	Right Turn	55	60	109.5%	10.3	B
	Subtotal	695	721	103.7%	12.2	B
SB	Left Turn	25	27	109.6%	15.1	B
	Through	382	398	104.1%	10.0	A
	Right Turn	20	21	103.5%	9.8	A
	Subtotal	427	446	104.4%	10.5	B
EB	Left Turn	15	16	108.0%	20.2	C
	Through	206	206	99.9%	18.1	B
	Right Turn	30	32	105.0%	19.0	B
	Subtotal	251	254	101.0%	18.4	B
WB	Left Turn	25	23	92.8%	14.0	B
	Through	180	180	99.8%	17.2	B
	Right Turn	80	83	104.3%	5.0	A
	Subtotal	285	286	100.5%	13.6	B
Total		1,658	1,707	102.9%	12.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	100	98	97.6%	31.9	C
	Through	996	985	98.9%	23.5	C
	Right Turn	59	62	104.9%	27.9	C
	Subtotal	1,155	1,145	99.1%	24.5	C
SB	Left Turn	54	81	150.7%	53.4	D
	Through	605	619	102.3%	11.1	B
	Right Turn	45	46	101.3%	13.4	B
	Subtotal	704	746	106.0%	15.8	B
EB	Left Turn	113	116	103.0%	16.3	B
	Through	105	107	101.4%	16.9	B
	Right Turn	68	71	104.4%	11.1	B
	Subtotal	286	294	102.8%	15.1	B
WB	Left Turn	35	27	77.7%	36.3	D
	Through	140	113	80.4%	30.3	C
	Right Turn	127	105	82.6%	28.0	C
	Subtotal	302	245	81.0%	29.8	C
Total		2,447	2,429	99.3%	21.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	943	934	99.0%	5.4	A
	Right Turn	12	11	93.3%	2.7	A
	Subtotal	955	945	98.9%	5.4	A
SB	Left Turn	15	16	106.0%	30.8	C
	Through	757	771	101.9%	18.3	B
	Right Turn					
	Subtotal	772	787	102.0%	18.5	B
EB	Left Turn	915	875	95.6%	37.4	D
	Through	22	22	101.4%	28.9	C
	Right Turn	36	34	93.3%	11.3	B
	Subtotal	973	931	95.6%	36.4	D
WB	Left Turn	41	44	108.0%	45.7	D
	Through					
	Right Turn	71	72	100.8%	7.1	A
	Subtotal	112	116	103.5%	23.1	C
Total		2,812	2,779	98.8%	20.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	165	165	99.9%	28.6	C
	Through	806	817	101.3%	27.5	C
	Right Turn	121	125	102.9%	34.6	C
	Subtotal	1,092	1,106	101.3%	28.7	C
SB	Left Turn	103	107	104.2%	60.1	E
	Through	408	405	99.1%	23.3	C
	Right Turn	197	204	103.5%	9.4	A
	Subtotal	708	716	101.1%	25.3	C
EB	Left Turn	198	200	101.2%	64.6	E
	Through	991	1,005	101.4%	43.1	D
	Right Turn	58	57	97.9%	14.6	B
	Subtotal	1,247	1,262	101.2%	45.7	D
WB	Left Turn	103	104	100.9%	31.4	C
	Through	1,143	1,097	96.0%	13.5	B
	Right Turn	151	140	92.4%	7.7	A
	Subtotal	1,397	1,341	96.0%	14.1	B
Total		4,444	4,424	99.6%	28.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 15 Spring/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	29	30	103.4%	40.7	D
	Through	65	70	108.0%	39.3	D
	Right Turn	69	68	98.3%	30.6	C
	Subtotal	163	168	103.1%	36.5	D
EB	Left Turn					
	Through	1,051	1,073	102.1%	8.3	A
	Right Turn	164	179	109.1%	3.8	A
	Subtotal	1,215	1,252	103.0%	7.8	A
WB	Left Turn	135	165	122.4%	53.2	D
	Through	1,328	1,256	94.6%	47.7	D
	Right Turn	97	87	89.5%	17.6	B
	Subtotal	1,560	1,508	96.7%	46.5	D
Total		2,938	2,928	99.7%	29.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	402	360	89.5%	27.5	C
	Through	856	806	94.1%	34.1	C
	Right Turn	234	230	98.4%	22.2	C
	Subtotal	1,492	1,396	93.5%	30.7	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	95	103	107.9%	94.0	F
	Through	985	1,023	103.9%	27.1	C
	Right Turn					
	Subtotal	1,080	1,126	104.2%	33.2	C
WB	Left Turn					
	Through	1,181	1,123	95.1%	23.7	C
	Right Turn	22	22	100.5%	6.8	A
	Subtotal	1,203	1,145	95.2%	23.3	C
Total		3,775	3,666	97.1%	29.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	104	106	102.2%	65.4	E
	Through	727	733	100.8%	18.3	B
	Right Turn	108	125	115.6%	14.8	B
	Subtotal	939	964	102.7%	23.0	C
SB	Left Turn	92	98	106.4%	11.4	B
	Through	627	636	101.4%	22.0	C
	Right Turn	115	116	100.5%	23.9	C
	Subtotal	834	849	101.8%	21.0	C
EB	Left Turn	95	92	97.3%	36.2	D
	Through	924	965	104.4%	16.7	B
	Right Turn	200	206	103.0%	6.2	A
	Subtotal	1,219	1,263	103.6%	16.6	B
WB	Left Turn	122	119	97.8%	38.3	D
	Through	984	953	96.8%	57.2	E
	Right Turn	133	120	90.2%	46.8	D
	Subtotal	1,239	1,192	96.2%	54.5	D
Total		4,231	4,268	100.9%	29.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	95	15	15.8%	141.3	F
	Through					
	Right Turn	171	90	52.6%	35.3	D
	Subtotal	266	105	39.5%	46.8	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,054	1,114	105.7%	4.6	A
	Right Turn	70	70	100.6%	4.2	A
	Subtotal	1,124	1,185	105.4%	4.6	A
WB	Left Turn	48	43	89.6%	92.8	F
	Through	1,120	1,115	99.6%	130.8	F
	Right Turn					
	Subtotal	1,168	1,158	99.2%	129.3	F
Total		2,558	2,448	95.7%	63.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	421	447	106.2%	18.9	B
	Right Turn	73	79	108.6%	9.2	A
	Subtotal	494	527	106.6%	17.4	B
SB	Left Turn	60	64	106.3%	32.1	C
	Through	780	724	92.8%	32.6	C
	Right Turn	169	174	102.8%	31.8	C
	Subtotal	1,009	962	95.3%	32.4	C
EB	Left Turn	429	422	98.4%	47.9	D
	Through	91	84	92.6%	49.5	D
	Right Turn	107	105	98.0%	24.7	C
	Subtotal	627	611	97.5%	43.9	D
WB	Left Turn	125	130	103.6%	30.2	C
	Through	60	59	99.0%	29.0	C
	Right Turn	89	95	106.6%	6.2	A
	Subtotal	274	284	103.6%	21.9	C
Total		2,404	2,383	99.1%	30.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	951	972	102.2%	11.5	B
	Right Turn					
	Subtotal	951	972	102.2%	11.5	B
SB	Left Turn					
	Through	465	463	99.7%	8.1	A
	Right Turn					
	Subtotal	465	463	99.7%	8.1	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	199	193	96.7%	20.3	C
	Through					
	Right Turn	540	532	98.5%	11.0	B
	Subtotal	739	724	98.0%	13.4	B
Total		2,155	2,159	100.2%	11.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 21 Spring/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	379	337	89.0%	20.2	C
	Right Turn	26	27	101.9%	10.8	B
	Subtotal	405	364	89.9%	19.5	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	207	259	125.0%	14.5	B
	Through	713	699	98.1%	13.0	B
	Right Turn					
	Subtotal	920	958	104.1%	13.4	B
Total		1,325	1,322	99.8%	15.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	260	253	97.3%	22.7	C
	Through	1,251	1,181	94.4%	25.2	C
	Right Turn					
	Subtotal	1,511	1,434	94.9%	24.8	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	660	707	107.1%	3.7	A
	Right Turn	77	75	97.5%	5.4	A
	Subtotal	737	782	106.1%	3.9	A
Total		2,248	2,216	98.6%	17.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	183	176	96.0%	8.2	A
	Through	1,049	1,026	97.8%	7.1	A
	Right Turn					
	Subtotal	1,232	1,202	97.6%	7.3	A
SB	Left Turn					
	Through	151	160	106.2%	7.2	A
	Right Turn	38	35	92.1%	8.8	A
	Subtotal	189	195	103.3%	7.4	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	101	100	98.9%	52.5	D
	Through	516	570	110.5%	53.5	D
	Right Turn	52	50	95.2%	50.0	D
	Subtotal	669	720	107.6%	53.1	D
Total		2,090	2,117	101.3%	23.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	18	24	133.9%	8.9	A
	Through	428	467	109.0%	4.7	A
	Right Turn	1,184	1,146	96.8%	6.4	A
	Subtotal	1,630	1,637	100.4%	6.0	A
SB	Left Turn	164	163	99.4%	45.4	D
	Through	579	586	101.1%	7.5	A
	Right Turn	30	33	109.0%	5.6	A
	Subtotal	773	781	101.1%	15.5	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	240	247	103.0%	39.4	D
	Through	621	662	106.6%	40.9	D
	Right Turn	225	225	100.1%	78.6	E
	Subtotal	1,086	1,134	104.4%	48.2	D
Total		3,489	3,552	101.8%	21.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 25 Vignes/Ramirez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	35	35	99.4%	36.0	D
	Through	334	328	98.1%	23.5	C
	Right Turn	77	74	95.6%	2.4	A
	Subtotal	446	436	97.8%	21.0	C
SB	Left Turn	347	331	95.4%	40.4	D
	Through	222	208	93.7%	19.1	B
	Right Turn	135	177	130.9%	20.6	C
	Subtotal	704	716	101.7%	29.5	C
EB	Left Turn	171	189	110.7%	45.4	D
	Through	63	48	76.2%	26.5	C
	Right Turn	66	59	89.4%	20.9	C
	Subtotal	300	296	98.8%	37.7	D
WB	Left Turn	198	201	101.7%	54.8	D
	Through	113	138	122.3%	48.0	D
	Right Turn	496	506	102.0%	32.0	C
	Subtotal	807	846	104.8%	40.9	D
Total		2,257	2,294	101.6%	33.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 26		Broadway/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	821	840	102.3%	44.8	D
	Right Turn	221	219	99.0%	32.6	C
	Subtotal	1,042	1,059	101.6%	42.3	D
SB	Left Turn	89	85	96.0%	56.8	E
	Through	575	571	99.4%	8.3	A
	Right Turn					
	Subtotal	664	657	98.9%	15.2	B
EB	Left Turn	130	132	101.7%	35.1	D
	Through	404	400	98.9%	38.2	D
	Right Turn	28	33	117.5%	6.2	A
	Subtotal	562	565	100.5%	36.0	D
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,268	2,280	100.5%	32.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	98	90	91.5%	39.6	D
	Through	488	597	122.3%	15.6	B
	Right Turn					
	Subtotal	586	687	117.2%	18.4	B
EB	Left Turn					
	Through	635	621	97.7%	44.5	D
	Right Turn	79	77	97.6%	21.3	C
	Subtotal	714	698	97.7%	41.9	D
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,300	1,384	106.5%	30.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,420	1,350	95.1%	69.6	E
	Right Turn	262	246	93.9%	61.6	E
	Subtotal	1,682	1,596	94.9%	68.9	E
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	91	85	93.2%	107.9	F
	Through	642	650	101.3%	59.0	E
	Right Turn					
	Subtotal	733	735	100.3%	64.3	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,415	2,331	96.5%	66.5	E

Vissim Post-Processor
 Average Results from 10 Runs
 Volume and Delay by Movement

Union Station Master Plan
 Existing
 PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,153	1,124	97.5%	44.9	D
	Right Turn	199	361	181.6%	46.3	D
	Subtotal	1,525	1,485	97.4%	45.3	D
SB	Left Turn					
	Through	252	261	103.4%	8.2	A
	Right Turn					
	Subtotal	252	261	103.4%	8.2	A
EB	Left Turn	551	603	109.4%	71.8	E
	Through	254	277	109.0%	44.9	D
	Right Turn	20	17	85.0%	38.8	D
	Subtotal	904	896	99.2%	63.4	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,681	2,642	98.5%	47.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,121	1,120	99.9%	49.4	D
	Right Turn	122	128	105.0%	20.8	C
	Subtotal	1,243	1,249	100.4%	46.7	D
SB	Left Turn	127	120	94.5%	52.5	D
	Through	692	713	103.0%	8.3	A
	Right Turn					
	Subtotal	819	833	101.7%	15.0	B
EB	Left Turn	353	368	104.1%	83.3	F
	Through	44	45	103.0%	22.1	C
	Right Turn	30	30	99.7%	5.2	A
	Subtotal	427	443	103.7%	72.3	E
WB	Left Turn	90	82	91.4%	111.1	F
	Through					
	Right Turn	156	148	95.1%	300.6	F
	Subtotal	246	231	93.8%	240.5	F
Total		2,735	2,755	100.7%	57.1	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	35	35	99.7%	34.5	C
	Through	418	414	99.1%	33.1	C
	Right Turn	24	24	101.7%	22.9	C
	Subtotal	477	474	99.3%	32.7	C
SB	Left Turn	115	124	108.1%	41.7	D
	Through	22	22	100.5%	44.0	D
	Right Turn	165	163	99.0%	6.8	A
	Subtotal	302	310	102.5%	23.6	C
EB	Left Turn	272	270	99.3%	34.8	C
	Through	64	63	99.1%	21.9	C
	Right Turn	11	12	109.1%	6.0	A
	Subtotal	347	345	99.5%	31.8	C
WB	Left Turn	1	1	100.0%	7.6	A
	Through	44	41	92.0%	48.3	D
	Right Turn	245	245	100.1%	23.1	C
	Subtotal	290	287	98.9%	26.9	C
Total		1,416	1,415	100.0%	29.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 32		Broadway/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	15	99.3%	33.2	C
	Through	760	791	104.1%	18.1	B
	Right Turn	70	67	95.0%	32.9	C
	Subtotal	845	872	103.2%	19.7	B
SB	Left Turn	41	41	100.0%	17.8	B
	Through	537	528	98.3%	4.7	A
	Right Turn	25	37	147.2%	6.1	A
	Subtotal	603	606	100.5%	5.6	A
EB	Left Turn	50	49	98.4%	89.7	F
	Through	729	723	99.2%	80.8	F
	Right Turn	20	16	77.5%	55.4	E
	Subtotal	799	788	98.6%	81.5	F
WB	Left Turn	90	82	91.4%	36.9	D
	Through	727	748	102.8%	16.6	B
	Right Turn	232	226	97.6%	19.3	B
	Subtotal	1,049	1,056	100.7%	18.9	B
Total		3,296	3,322	100.8%	30.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	54	52	96.3%	82.2	F
	Through	414	525	126.9%	47.5	D
	Right Turn	99	99	99.7%	33.5	C
	Subtotal	567	676	119.2%	48.4	D
EB	Left Turn					
	Through	780	772	98.9%	53.1	D
	Right Turn	60	57	94.3%	40.5	D
	Subtotal	840	828	98.6%	52.2	D
WB	Left Turn	48	55	114.6%	6.6	A
	Through	950	969	102.0%	5.9	A
	Right Turn					
	Subtotal	998	1,024	102.6%	6.0	A
Total		2,405	2,528	105.1%	31.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	268	263	98.3%	129.6	F
	Through	1,399	1,338	95.6%	171.3	F
	Right Turn	132	132	99.6%	170.0	F
	Subtotal	1,799	1,733	96.3%	165.3	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	88	86	97.3%	51.7	D
	Through	746	734	98.4%	86.3	F
	Right Turn					
	Subtotal	834	819	98.2%	82.6	F
WB	Left Turn					
	Through	730	761	104.2%	18.5	B
	Right Turn	195	190	97.2%	30.6	C
	Subtotal	925	951	102.8%	20.8	C
Total		3,558	3,503	98.5%	104.0	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	167	166	99.6%	82.2	F
	Through	1,131	1,083	95.8%	81.3	F
	Right Turn	70	67	95.4%	73.3	E
	Subtotal	1,368	1,316	96.2%	81.0	F
SB	Left Turn	85	80	93.9%	53.0	D
	Through	374	371	99.2%	18.7	B
	Right Turn	333	352	105.7%	44.8	D
	Subtotal	792	803	101.4%	33.9	C
EB	Left Turn	130	140	107.4%	184.7	F
	Through	635	615	96.9%	29.9	C
	Right Turn	113	109	96.1%	29.8	C
	Subtotal	878	863	98.3%	55.5	E
WB	Left Turn	69	65	94.2%	40.3	D
	Through	425	436	102.5%	45.9	D
	Right Turn	264	267	101.0%	64.2	E
	Subtotal	758	767	101.2%	51.7	D
Total		3,796	3,750	98.8%	59.0	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	162	162	99.8%	28.6	C
	Through					
	Right Turn	217	242	111.4%	46.9	D
	Subtotal	379	403	106.4%	40.4	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	760	735	96.7%	19.8	B
	Right Turn	30	26	87.3%	15.8	B
	Subtotal	790	761	96.3%	19.7	B
WB	Left Turn	38	52	136.6%	18.5	B
	Through	596	611	102.5%	13.4	B
	Right Turn					
	Subtotal	634	663	104.5%	13.8	B
Total		1,803	1,827	101.3%	21.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	138	140	101.4%	23.2	C
	Through	906	894	98.6%	34.7	C
	Second Right					
	Subtotal	1,044	1,033	99.0%	33.2	C
SB	Left Turn	46	43	93.7%	36.1	D
	Through	601	544	90.5%	27.0	C
	Second Right					
	Subtotal	913	826	90.4%	21.4	C
EB	Left Turn	213	221	103.8%	38.7	D
	Through	536	535	99.8%	38.4	D
	Second Right					
	Subtotal	977	970	99.3%	56.4	E
WB	Left Turn	29	27	91.7%	80.2	F
	Through	230	250	108.6%	56.2	E
	Second Right					
	Subtotal	383	406	106.0%	62.5	E
Total		3,317	3,235	97.5%	41.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	35	32	92.0%	76.7	E
	Through	1,198	1,162	97.0%	96.8	F
	Right Turn	60	58	96.7%	95.6	F
	Subtotal	1,293	1,253	96.9%	96.4	F
SB	Left Turn	40	39	97.0%	39.4	D
	Through	496	488	98.3%	18.4	B
	Right Turn	20	18	89.0%	6.2	A
	Subtotal	556	544	97.9%	19.4	B
EB	Left Turn	60	52	86.2%	26.5	C
	Through	830	858	103.3%	16.4	B
	Right Turn	50	46	91.6%	7.8	A
	Subtotal	940	955	101.6%	16.6	B
WB	Left Turn	15	16	105.3%	22.3	C
	Through	480	495	103.1%	15.0	B
	Right Turn	110	107	97.3%	13.2	B
	Subtotal	605	618	102.1%	14.8	B
Total		3,394	3,370	99.3%	46.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	20	204.0%	18.5	B
	Through	294	300	101.9%	26.7	C
	Right Turn	43	44	102.3%	16.4	B
	Subtotal	347	364	104.9%	25.2	C
SB	Left Turn	15	15	98.7%	19.4	B
	Through	38	32	83.2%	23.0	C
	Right Turn	15	31	206.0%	30.5	C
	Subtotal	68	77	113.7%	25.3	C
EB	Left Turn	15	34	226.0%	6.0	A
	Through	900	910	101.1%	2.5	A
	Right Turn	15	15	100.7%	4.6	A
	Subtotal	930	959	103.1%	2.7	A
WB	Left Turn	30	29	96.0%	15.1	B
	Through	580	567	97.7%	9.7	A
	Right Turn	70	73	104.3%	9.6	A
	Subtotal	680	669	98.3%	9.9	A
Total		2,025	2,069	102.2%	10.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	150	145	96.5%	28.3	C
	Through					
	Right Turn	20	22	111.0%	8.7	A
	Subtotal	170	167	98.2%	25.4	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	943	966	102.4%	18.8	B
	Right Turn	15	18	116.7%	15.1	B
	Subtotal	958	983	102.6%	18.8	B
WB	Left Turn	16	15	95.0%	17.7	B
	Through	530	540	101.8%	7.0	A
	Right Turn					
	Subtotal	546	555	101.6%	7.3	A
Total		1,674	1,705	101.9%	15.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Existing
PM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	68	95.9%	36.5	D
	Through	584	577	98.8%	26.4	C
	Right Turn	119	119	100.0%	8.1	A
	Subtotal	774	764	98.7%	24.1	C
SB	Left Turn	34	32	94.7%	29.5	C
	Through	683	680	99.5%	23.8	C
	Right Turn	141	139	98.7%	9.0	A
	Subtotal	858	851	99.2%	21.5	C
EB	Left Turn	385	387	100.6%	24.9	C
	Through	471	493	104.6%	11.5	B
	Right Turn	107	105	98.1%	15.4	B
	Subtotal	963	985	102.3%	17.2	B
WB	Left Turn					
	Through	334	348	104.2%	15.1	B
	Right Turn	75	76	101.1%	15.7	B
	Subtotal	409	424	103.6%	15.2	B
Total		3,004	3,024	100.7%	19.9	B

AM FUTURE

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	13	116.4%	12.0	B
	Through	284	310	109.1%	5.9	A
	Right Turn	21	22	105.7%	4.4	A
	Subtotal	316	345	109.1%	6.1	A
SB	Left Turn	26	24	90.4%	14.0	B
	Through	743	760	102.3%	10.4	B
	Right Turn	10	9	92.0%	7.5	A
	Subtotal	779	793	101.8%	10.4	B
EB	Left Turn	1	1	120.0%	18.6	B
	Through	150	154	102.7%	21.8	C
	Right Turn	1	1	130.0%	3.5	A
	Subtotal	152	157	103.0%	22.0	C
WB	Left Turn	52	50	96.0%	30.9	C
	Through	785	747	95.1%	29.4	C
	Right Turn	41	41	99.5%	24.2	C
	Subtotal	878	837	95.4%	29.3	C
Total		2,125	2,132	100.3%	18.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	39	34	88.2%	11.3	B
	Through	351	331	94.2%	6.8	A
	Right Turn	42	48	114.8%	7.0	A
	Subtotal	432	413	95.6%	7.2	A
SB	Left Turn	98	99	100.8%	20.8	C
	Through	1,267	1,305	103.0%	19.6	B
	Right Turn	204	202	98.9%	22.3	C
	Subtotal	1,569	1,606	102.3%	20.0	B
EB	Left Turn	21	21	98.1%	53.2	D
	Through	149	152	101.7%	30.6	C
	Right Turn	27	26	96.7%	18.7	B
	Subtotal	197	198	100.6%	31.7	C
WB	Left Turn	177	182	102.8%	41.9	D
	Through	635	600	94.5%	37.3	D
	Right Turn	83	79	95.1%	34.7	C
	Subtotal	895	861	96.2%	38.1	D
Total		3,093	3,078	99.5%	24.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	24	21	86.3%	88.1	F
	Right Turn					
	Subtotal	24	21	86.3%	88.1	F
SB	Left Turn					
	Through	21	18	87.6%	40.8	D
	Right Turn					
	Subtotal	21	18	87.6%	40.8	D
EB	Left Turn	21	22	103.8%	47.3	D
	Through	248	251	101.4%	23.4	C
	Right Turn	15	16	109.3%	29.2	C
	Subtotal	284	290	102.0%	25.7	C
WB	Left Turn	10	10	102.0%	22.5	C
	Through	957	919	96.0%	22.8	C
	Right Turn	84	78	92.3%	13.3	B
	Subtotal	1,051	1,007	95.8%	22.2	C
Total		1,380	1,335	96.8%	24.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	58	99.8%	23.2	C
	Through	380	386	101.5%	6.3	A
	Right Turn	12	11	92.5%	1.5	A
	Subtotal	450	455	101.0%	8.7	A
SB	Left Turn	171	160	93.7%	54.8	D
	Through	1,069	1,022	95.6%	71.6	E
	Right Turn	240	217	90.6%	308.2	F
	Subtotal	1,480	1,399	94.5%	107.5	F
EB	Left Turn	61	70	115.2%	27.8	C
	Through	122	120	98.3%	7.8	A
	Right Turn	65	61	93.8%	3.5	A
	Subtotal	248	251	101.3%	12.0	B
WB	Left Turn	49	48	97.3%	47.0	D
	Through	753	734	97.5%	31.7	C
	Right Turn	164	158	96.3%	7.7	A
	Subtotal	966	940	97.3%	28.7	C
Total		3,144	3,045	96.8%	58.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	70.0%	10.9	B
	Through	200	161	80.4%	14.0	B
	Right Turn	42	32	76.2%	10.6	B
	Subtotal	243	193	79.6%	13.4	B
SB	Left Turn	227	226	99.7%	14.6	B
	Through	493	493	100.0%	18.2	B
	Right Turn	544	547	100.6%	16.0	B
	Subtotal	1,264	1,267	100.2%	16.6	B
EB	Left Turn	68	65	95.7%	40.5	D
	Through	232	219	94.5%	22.8	C
	Right Turn	5	6	114.0%	10.6	B
	Subtotal	305	290	95.1%	26.5	C
WB	Left Turn					
	Through	421	393	93.3%	38.3	D
	Right Turn	185	175	94.5%	33.1	C
	Subtotal	606	568	93.7%	36.8	D
Total		2,418	2,318	95.9%	22.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	17	84.0%	14.4	B
	Through	609	557	91.5%	9.4	A
	Right Turn	164	149	91.0%	6.1	A
	Subtotal	793	723	91.2%	8.8	A
SB	Left Turn	61	54	89.0%	14.1	B
	Through	450	435	96.6%	9.6	A
	Right Turn	12	10	85.8%	4.6	A
	Subtotal	523	499	95.5%	10.0	B
EB	Left Turn	4	4	95.0%	15.6	B
	Through	4	3	67.5%	9.4	A
	Right Turn	6	7	111.7%	3.6	A
	Subtotal	14	13	94.3%	15.4	B
WB	Left Turn	123	123	100.0%	22.0	C
	Through	4	4	92.5%	17.7	B
	Right Turn	27	27	100.4%	4.8	A
	Subtotal	154	154	99.9%	18.8	B
Total		1,484	1,390	93.6%	10.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	217	225	103.5%	94.6	F
	Through	393	412	104.8%	27.2	C
	Right Turn	118	117	99.5%	6.2	A
	Subtotal	728	754	103.5%	44.7	D
SB	Left Turn	158	144	91.4%	46.8	D
	Through	418	387	92.5%	29.7	C
	Right Turn	33	33	98.5%	18.3	B
	Subtotal	609	564	92.5%	33.4	C
EB	Left Turn	57	59	102.6%	33.3	C
	Through	463	483	104.3%	30.5	C
	Right Turn	281	299	106.4%	16.4	B
	Subtotal	801	841	104.9%	25.7	C
WB	Left Turn	309	275	89.0%	24.6	C
	Through	1,264	1,082	85.6%	45.7	D
	Right Turn	339	284	83.8%	7.1	A
	Subtotal	1,912	1,641	85.8%	35.9	D
Total		4,050	3,799	93.8%	35.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	6	8	130.0%	38.4	D
	Through					
	Right Turn	8	7	88.8%	5.8	A
	Subtotal	14	15	106.4%	26.5	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	721	727	100.8%	1.6	A
	Right Turn	18	18	101.7%	7.7	A
	Subtotal	739	745	100.8%	1.8	A
WB	Left Turn	6	6	101.7%	66.5	E
	Through	1,902	1,615	84.9%	175.1	F
	Right Turn	32	25	76.9%	142.7	F
	Subtotal	1,940	1,645	84.8%	174.5	F
Total		2,693	2,405	89.3%	116.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	265	243	91.7%	177.5	F
	Through	501	498	99.4%	22.0	C
	Right Turn	90	90	100.0%	2.9	A
	Subtotal	856	831	97.1%	63.7	E
SB	Left Turn	26	22	82.7%	154.0	F
	Through	1,021	842	82.4%	159.0	F
	Right Turn	738	614	83.2%	363.7	F
	Subtotal	1,785	1,477	82.7%	249.8	F
EB	Left Turn	286	304	106.3%	61.6	E
	Through	265	262	98.9%	63.7	E
	Right Turn	178	169	94.7%	37.3	D
	Subtotal	729	735	100.8%	56.8	E
WB	Left Turn	305	277	90.9%	256.2	F
	Through	937	838	89.4%	271.9	F
	Right Turn	8	6	80.0%	255.8	F
	Subtotal	1,250	1,121	89.7%	267.8	F
Total		4,620	4,164	90.1%	177.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	8	74.5%	12.7	B
	Through	435	443	101.7%	7.8	A
	Right Turn					
	Subtotal	446	451	101.1%	8.0	A
SB	Left Turn					
	Through	1,180	1,120	94.9%	14.9	B
	Right Turn	3	3	106.7%	13.9	B
	Subtotal	1,183	1,123	94.9%	14.9	B
EB	Left Turn					
	Through					
	Right Turn	10	10	100.0%	9.2	A
	Subtotal	10	10	100.0%	9.2	A
WB	Left Turn	467	461	98.6%	54.1	D
	Through	16	16	98.1%	62.3	E
	Right Turn	15	13	84.0%	57.0	E
	Subtotal	498	489	98.2%	54.3	D
Total		2,137	2,073	97.0%	21.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	14	91.3%	10.2	B
	Through	276	305	110.4%	9.8	A
	Right Turn	22	22	100.0%	5.6	A
	Subtotal	313	340	108.7%	9.6	A
SB	Left Turn	42	45	106.2%	8.2	A
	Through	739	752	101.8%	9.6	A
	Right Turn	15	16	104.0%	14.1	B
	Subtotal	796	813	102.1%	9.7	A
EB	Left Turn	10	10	96.0%	21.3	C
	Through	76	72	95.0%	23.4	C
	Right Turn	10	11	109.0%	21.9	C
	Subtotal	96	93	96.6%	23.2	C
WB	Left Turn	46	43	93.9%	31.5	C
	Through	257	245	95.2%	29.2	C
	Right Turn	30	31	104.3%	10.5	B
	Subtotal	333	319	95.9%	27.8	C
Total		1,538	1,565	101.7%	14.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	63	88.6%	42.2	D
	Through	385	358	92.9%	5.0	A
	Right Turn	74	68	91.4%	13.9	B
	Subtotal	530	488	92.1%	12.0	B
SB	Left Turn	83	109	131.0%	27.8	C
	Through	1,244	1,268	101.9%	21.5	C
	Right Turn	144	138	96.0%	27.9	C
	Subtotal	1,471	1,515	103.0%	22.6	C
EB	Left Turn	9	10	111.1%	31.9	C
	Through	90	90	100.1%	34.1	C
	Right Turn	41	39	93.9%	21.4	C
	Subtotal	140	139	99.0%	31.0	C
WB	Left Turn	64	51	79.2%	55.7	E
	Through	118	93	78.9%	57.4	E
	Right Turn	38	39	102.4%	41.8	D
	Subtotal	220	183	83.0%	53.9	D
Total		2,361	2,324	98.4%	23.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	535	488	91.2%	2.9	A
	Right Turn	45	41	90.0%	2.9	A
	Subtotal	580	529	91.1%	2.9	A
SB	Left Turn	34	33	97.4%	13.7	B
	Through	1,466	1,396	95.2%	24.4	C
	Right Turn					
	Subtotal	1,500	1,429	95.2%	24.2	C
EB	Left Turn	204	208	102.0%	29.5	C
	Through	47	45	95.3%	20.7	C
	Right Turn	16	19	115.6%	28.1	C
	Subtotal	267	271	101.6%	28.0	C
WB	Left Turn	21	21	99.5%	42.3	D
	Through					
	Right Turn	8	8	100.0%	5.7	A
	Subtotal	29	29	99.7%	29.7	C
Total		2,376	2,257	95.0%	19.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 14 Broadway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	128	122	95.2%	33.9	C
	Through	337	304	90.3%	23.9	C
	Right Turn	123	117	95.3%	20.2	C
	Subtotal	588	543	92.4%	25.3	C
SB	Left Turn	136	140	103.2%	68.6	E
	Through	840	839	99.9%	57.8	E
	Right Turn	373	374	100.3%	43.2	D
	Subtotal	1,349	1,353	100.3%	55.1	E
EB	Left Turn	139	140	100.7%	38.6	D
	Through	767	790	103.0%	24.2	C
	Right Turn	112	109	97.1%	13.7	B
	Subtotal	1,018	1,039	102.0%	25.0	C
WB	Left Turn	139	129	92.8%	14.5	B
	Through	1,435	1,244	86.7%	12.8	B
	Right Turn	54	44	82.2%	5.6	A
	Subtotal	1,628	1,417	87.1%	12.7	B
Total		4,583	4,353	95.0%	30.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 15 Spring/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	3	3	96.7%	21.6	C
	Through	349	338	96.8%	108.4	F
	Right Turn	170	156	91.9%	104.7	F
	Subtotal	522	497	95.2%	107.4	F
EB	Left Turn					
	Through	714	736	103.1%	9.8	A
	Right Turn	312	326	104.4%	6.9	A
	Subtotal	1,026	1,062	103.5%	8.9	A
WB	Left Turn	233	234	100.4%	54.6	D
	Through	1,458	1,220	83.7%	51.5	D
	Right Turn	17	13	77.1%	16.8	B
	Subtotal	1,708	1,467	85.9%	51.7	D
Total		3,256	3,026	92.9%	45.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	146	135	92.7%	39.6	D
	Through	183	180	98.2%	28.9	C
	Right Turn	107	107	99.8%	19.1	B
	Subtotal	436	422	96.7%	30.4	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	70	76	108.7%	35.9	D
	Through	647	686	106.1%	3.5	A
	Right Turn					
	Subtotal	717	762	106.3%	7.2	A
WB	Left Turn					
	Through	1,546	1,302	84.2%	19.4	B
	Right Turn	14	15	109.3%	7.4	A
	Subtotal	1,560	1,317	84.4%	19.3	B
Total		2,713	2,501	92.2%	17.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 17 Alameda/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	134	124	92.2%	102.3	F
	Through	450	410	91.0%	29.2	C
	Right Turn	172	166	96.6%	22.0	C
	Subtotal	756	699	92.5%	41.3	D
SB	Left Turn	99	101	102.0%	16.4	B
	Through	1,214	1,152	94.9%	38.6	D
	Right Turn	190	178	93.7%	45.6	D
	Subtotal	1,503	1,431	95.2%	37.9	D
EB	Left Turn	78	74	95.4%	13.2	B
	Through	549	596	108.6%	8.7	A
	Right Turn	127	132	103.5%	10.9	B
	Subtotal	754	802	106.4%	9.6	A
WB	Left Turn	164	141	85.9%	34.0	C
	Through	1,236	1,046	84.6%	57.9	E
	Right Turn	52	44	84.0%	42.4	D
	Subtotal	1,452	1,231	84.8%	54.7	D
Total		4,465	4,163	93.2%	37.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	57	59	103.2%	17.1	B
	Through					
	Right Turn	64	52	81.4%	54.2	D
	Subtotal	121	111	91.7%	34.3	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	737	1,225	166.2%	169.4	F
	Right Turn	83	64	77.6%	129.3	F
	Subtotal	820	1,289	157.2%	167.6	F
WB	Left Turn	84	82	97.1%	3.6	A
	Through	1,430	782	54.7%	3.2	A
	Right Turn					
	Subtotal	1,514	863	57.0%	3.2	A
Total		2,455	2,264	92.2%	96.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	614	553	90.0%	13.0	B
	Right Turn	123	109	88.5%	10.7	B
	Subtotal	737	662	89.8%	12.7	B
SB	Left Turn	61	68	110.8%	28.1	C
	Through	1,115	1,032	92.5%	50.3	D
	Right Turn	329	315	95.8%	49.0	D
	Subtotal	1,505	1,414	94.0%	49.1	D
EB	Left Turn	100	109	108.7%	28.7	C
	Through	56	49	87.0%	30.3	C
	Right Turn	20	17	87.0%	13.1	B
	Subtotal	176	175	99.3%	28.2	C
WB	Left Turn	115	108	93.6%	43.6	D
	Through	60	58	95.8%	26.4	C
	Right Turn	42	42	100.7%	5.7	A
	Subtotal	217	207	95.6%	30.2	C
Total		2,635	2,458	93.3%	36.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	466	492	105.6%	13.0	B
	Right Turn					
	Subtotal	466	492	105.6%	13.0	B
SB	Left Turn					
	Through	762	744	97.7%	16.8	B
	Right Turn					
	Subtotal	762	744	97.7%	16.8	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	365	294	80.5%	20.4	C
	Through					
	Right Turn	829	673	81.2%	9.4	A
	Subtotal	1,194	967	81.0%	12.7	B
Total		2,422	2,203	91.0%	14.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 21 Spring/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	877	720	82.1%	53.9	D
	Right Turn	35	31	87.7%	25.0	C
	Subtotal	912	751	82.3%	52.6	D
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	529	477	90.2%	71.0	E
	Through	1,159	934	80.6%	36.2	D
	Right Turn					
	Subtotal	1,688	1,411	83.6%	48.2	D
Total		2,600	2,162	83.2%	49.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	80	83	104.0%	22.2	C
	Through	355	355	100.0%	4.6	A
	Right Turn					
	Subtotal	435	438	100.7%	8.0	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	1,608	1,326	82.5%	43.2	D
	Right Turn	81	66	81.6%	31.8	C
	Subtotal	1,689	1,393	82.4%	42.6	D
Total		2,124	1,831	86.2%	33.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	88	87	99.2%	26.5	C
	Through	265	274	103.4%	6.6	A
	Right Turn					
	Subtotal	353	361	102.4%	12.0	B
SB	Left Turn					
	Through	347	333	96.0%	24.6	C
	Right Turn	38	34	88.9%	18.0	B
	Subtotal	385	367	95.3%	24.1	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	360	281	78.1%	58.6	E
	Through	1,563	1,281	82.0%	63.1	E
	Right Turn	71	55	77.6%	50.1	D
	Subtotal	1,994	1,618	81.1%	61.9	E
Total		2,732	2,346	85.9%	47.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	143	132	92.1%	100.0	F
	Through	849	780	91.9%	32.9	C
	Right Turn	50	80	159.2%	30.2	C
	Subtotal	1,042	992	95.2%	42.1	D
SB	Left Turn	13	30	233.1%	62.1	E
	Through	939	823	87.7%	106.2	F
	Right Turn	69	70	102.0%	110.7	F
	Subtotal	1,021	924	90.5%	105.3	F
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	484	379	78.2%	158.5	F
	Through	1,782	1,413	79.3%	153.0	F
	Right Turn	274	219	80.0%	146.1	F
	Subtotal	2,540	2,011	79.2%	153.3	F
Total		4,603	3,926	85.3%	111.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 25 Vignes/Ramirez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	93	91	97.4%	41.6	D
	Through	195	185	95.0%	26.7	C
	Right Turn	101	101	100.1%	6.1	A
	Subtotal	389	377	96.9%	25.0	C
SB	Left Turn	523	539	103.1%	62.3	E
	Through	189	240	126.8%	33.5	C
	Right Turn	353	262	74.2%	35.0	C
	Subtotal	1,065	1,041	97.7%	49.4	D
EB	Left Turn	235	278	118.4%	65.9	E
	Through	68	6	8.8%	15.6	B
	Right Turn	70	14	20.4%	19.0	B
	Subtotal	373	299	80.1%	62.5	E
WB	Left Turn	109	110	101.1%	44.4	D
	Through	149	168	112.6%	78.9	E
	Right Turn	373	374	100.4%	30.1	C
	Subtotal	631	652	103.4%	44.9	D
Total		2,458	2,368	96.4%	46.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 26 Broadway/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	331	357	107.9%	10.0	A
	Right Turn	83	85	102.9%	3.9	A
	Subtotal	414	443	106.9%	8.8	A
SB	Left Turn	144	130	90.2%	10.2	B
	Through	983	904	92.0%	7.0	A
	Right Turn					
	Subtotal	1,127	1,034	91.8%	7.4	A
EB	Left Turn	135	139	103.1%	29.3	C
	Through	279	284	101.8%	21.7	C
	Right Turn	163	177	108.5%	9.2	A
	Subtotal	577	600	104.0%	19.8	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,118	2,077	98.1%	11.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	171	154	90.1%	2.5	A
	Through	1,235	1,196	96.8%	20.4	C
	Right Turn					
	Subtotal	1,406	1,350	96.0%	18.4	B
EB	Left Turn					
	Through	309	306	98.9%	16.4	B
	Right Turn	197	193	98.0%	8.2	A
	Subtotal	506	499	98.5%	13.1	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,912	1,848	96.7%	17.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	388	395	101.8%	8.6	A
	Right Turn	217	214	98.7%	20.4	C
	Subtotal	605	609	100.7%	12.7	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	47	44	94.0%	7.5	A
	Through	433	448	103.5%	15.4	B
	Right Turn					
	Subtotal	480	492	102.5%	14.7	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,085	1,101	101.5%	13.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	334	342	102.5%	18.3	B
	Right Turn	85	142	167.4%	16.5	B
	Subtotal	479	485	101.2%	17.8	B
SB	Left Turn					
	Through	707	614	86.8%	12.6	B
	Right Turn					
	Subtotal	707	614	86.8%	12.6	B
EB	Left Turn	252	264	104.6%	18.3	B
	Through	222	250	112.8%	30.8	C
	Right Turn	157	149	94.8%	32.7	C
	Subtotal	650	663	102.0%	26.5	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,836	1,761	95.9%	19.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	777	700	90.1%	220.0	F
	Right Turn	158	144	91.0%	99.8	F
	Subtotal	935	844	90.3%	199.7	F
SB	Left Turn	200	168	84.1%	45.2	D
	Through	1,223	1,037	84.8%	17.7	B
	Right Turn					
	Subtotal	1,423	1,205	84.7%	21.3	C
EB	Left Turn	59	90	152.4%	41.4	D
	Through	66	69	105.2%	28.7	C
	Right Turn	157	147	93.8%	9.6	A
	Subtotal	282	307	108.7%	23.5	C
WB	Left Turn	149	144	96.7%	18.1	B
	Through					
	Right Turn	206	204	98.9%	38.9	D
	Subtotal	355	348	98.0%	30.4	C
Total		2,995	2,704	90.3%	79.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	13	12	93.8%	25.3	C
	Through	43	42	98.6%	29.8	C
	Right Turn	7	7	101.4%	9.5	A
	Subtotal	63	62	97.9%	26.3	C
SB	Left Turn	218	235	107.8%	34.3	C
	Through	63	64	101.0%	37.7	D
	Right Turn	200	198	99.1%	5.3	A
	Subtotal	481	497	103.2%	23.4	C
EB	Left Turn	271	243	89.5%	26.4	C
	Through	77	73	94.9%	18.0	B
	Right Turn	26	25	96.9%	8.3	A
	Subtotal	374	341	91.1%	23.4	C
WB	Left Turn	10	9	86.0%	26.6	C
	Through	122	116	95.2%	33.1	C
	Right Turn	176	168	95.6%	18.6	B
	Subtotal	308	293	95.1%	24.7	C
Total		1,226	1,192	97.2%	24.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 32		Broadway/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	100.0%	9.8	A
	Through	363	391	107.8%	8.5	A
	Right Turn					
	Subtotal	364	392	107.7%	8.5	A
SB	Left Turn	55	50	90.4%	6.2	A
	Through	1,028	967	94.1%	7.2	A
	Right Turn	63	69	109.2%	9.2	A
	Subtotal	1,146	1,086	94.7%	7.3	A
EB	Left Turn	25	24	96.8%	33.1	C
	Through	585	602	102.9%	19.4	B
	Right Turn	154	146	94.7%	15.7	B
	Subtotal	764	772	101.1%	19.2	B
WB	Left Turn	79	67	84.2%	27.8	C
	Through	973	917	94.2%	16.3	B
	Right Turn	26	25	97.7%	14.4	B
	Subtotal	1,078	1,008	93.5%	17.0	B
Total		3,352	3,258	97.2%	13.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	59	51	86.9%	51.9	D
	Through	1,172	1,141	97.3%	50.3	D
	Right Turn	201	183	90.8%	41.9	D
	Subtotal	1,432	1,374	96.0%	49.1	D
EB	Left Turn					
	Through	499	522	104.5%	18.3	B
	Right Turn	141	141	99.6%	19.7	B
	Subtotal	640	662	103.5%	18.6	B
WB	Left Turn	113	113	99.7%	9.5	A
	Through	877	855	97.5%	9.4	A
	Right Turn					
	Subtotal	990	967	97.7%	9.4	A
Total		3,062	3,004	98.1%	30.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	120	124	103.5%	19.6	B
	Through	457	475	103.9%	20.3	C
	Right Turn	174	177	102.0%	18.9	B
	Subtotal	751	777	103.4%	19.9	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	60	58	97.0%	14.1	B
	Through	498	512	102.8%	19.4	B
	Right Turn					
	Subtotal	558	570	102.2%	18.9	B
WB	Left Turn					
	Through	870	834	95.9%	12.6	B
	Right Turn	88	81	92.4%	13.4	B
	Subtotal	958	916	95.6%	12.6	B
Total		2,267	2,208	97.4%	24.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	74	99.1%	31.7	C
	Through	331	333	100.6%	11.7	B
	Right Turn	60	59	98.0%	17.7	B
	Subtotal	466	466	100.0%	15.9	B
SB	Left Turn	175	157	89.5%	24.2	C
	Through	872	788	90.4%	19.0	B
	Right Turn	86	94	109.1%	24.2	C
	Subtotal	1,133	1,039	91.7%	20.4	C
EB	Left Turn	31	43	139.7%	57.4	E
	Through	400	417	104.2%	24.8	C
	Right Turn	241	225	93.2%	23.5	C
	Subtotal	672	685	101.9%	26.5	C
WB	Left Turn	109	98	89.8%	43.3	D
	Through	797	747	93.8%	56.1	E
	Right Turn	117	108	92.4%	49.1	D
	Subtotal	1,023	953	93.2%	54.0	D
Total		3,294	3,143	95.4%	31.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	76	79	103.3%	26.8	C
	Through					
	Right Turn	42	58	137.1%	23.0	C
	Subtotal	118	136	115.3%	24.8	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	369	375	101.6%	9.3	A
	Right Turn	266	256	96.2%	14.8	B
	Subtotal	635	631	99.3%	11.6	B
WB	Left Turn	149	156	104.8%	20.5	C
	Through	947	873	92.2%	14.9	B
	Right Turn					
	Subtotal	1,096	1,029	93.9%	15.7	B
Total		1,849	1,796	97.1%	15.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	240	218	90.7%	93.5	F
	Through	771	696	90.3%	177.8	F
	Second Right					
	Subtotal	1,011	914	90.4%	157.2	F
SB	Left Turn	67	58	86.9%	50.1	D
	Through	970	845	87.1%	29.8	C
	Second Right					
	Subtotal	1,529	1,331	87.1%	25.4	C
EB	Left Turn	95	103	108.1%	42.0	D
	Through	186	200	107.6%	22.9	C
	Second Right					
	Subtotal	411	431	104.8%	31.9	C
WB	Left Turn	28	28	98.9%	77.0	E
	Through	364	391	107.5%	78.6	E
	Second Right					
	Subtotal	461	492	106.7%	81.8	F
Total		3,412	3,168	92.8%	72.2	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 38 Los Angeles/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	446	442	99.2%	15.7	B
	Right Turn					
	Subtotal	446	442	99.2%	15.7	B
SB	Left Turn	51	46	90.6%	24.1	C
	Through	1,017	923	90.8%	20.6	C
	Right Turn	154	140	91.1%	9.6	A
	Subtotal	1,222	1,110	90.8%	19.4	B
EB	Left Turn	10	12	120.0%	13.2	B
	Through	513	534	104.1%	14.1	B
	Right Turn	93	96	103.7%	7.3	A
	Subtotal	616	643	104.3%	12.9	B
WB	Left Turn	46	36	77.6%	21.0	C
	Through	787	795	101.0%	12.6	B
	Right Turn	10	9	93.0%	4.0	A
	Subtotal	843	840	99.7%	12.8	B
Total		3,127	3,035	97.0%	15.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	24	157.3%	34.0	C
	Through	98	98	99.9%	20.5	C
	Right Turn	21	20	94.8%	6.3	A
	Subtotal	134	141	105.5%	20.9	C
SB	Left Turn	15	13	86.0%	28.3	C
	Through	379	362	95.6%	23.0	C
	Right Turn	21	36	172.9%	38.4	D
	Subtotal	415	411	99.1%	24.4	C
EB	Left Turn	10	28	281.0%	36.3	D
	Through	539	539	100.1%	7.1	A
	Right Turn	15	15	96.7%	4.2	A
	Subtotal	564	582	103.2%	8.5	A
WB	Left Turn	33	30	90.6%	26.3	C
	Through	807	793	98.2%	20.7	C
	Right Turn	10	10	97.0%	14.9	B
	Subtotal	850	832	97.9%	20.8	C
Total		1,963	1,967	100.2%	18.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	148	95.8%	24.2	C
	Through					
	Right Turn	12	14	116.7%	8.2	A
	Subtotal	166	162	97.3%	22.9	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	472	489	103.6%	18.5	B
	Right Turn	103	104	100.7%	12.6	B
	Subtotal	575	593	103.1%	17.5	B
WB	Left Turn	26	24	93.1%	13.6	B
	Through	696	702	100.9%	9.4	A
	Right Turn					
	Subtotal	722	727	100.6%	9.5	A
Total		1,463	1,481	101.2%	14.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
AM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	4	3	85.0%	50.4	D
	Through	953	881	92.4%	156.5	F
	Right Turn	50	49	98.6%	91.5	F
	Subtotal	1,007	933	92.7%	152.7	F
SB	Left Turn	24	22	90.0%	40.0	D
	Through	913	811	88.8%	16.0	B
	Right Turn	191	167	87.5%	14.8	B
	Subtotal	1,128	1,000	88.6%	16.2	B
EB	Left Turn	31	31	99.0%	30.4	C
	Through	402	423	105.3%	12.5	B
	Right Turn	51	50	98.6%	12.1	B
	Subtotal	484	504	104.2%	13.8	B
WB	Left Turn					
	Through	527	554	105.1%	27.3	C
	Right Turn	27	27	101.5%	45.2	D
	Subtotal	554	581	104.9%	27.6	C
Total		3,173	3,018	95.1%	57.8	E

PM FUTURE

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	32	32	101.3%	16.9	B
	Through	665	680	102.2%	16.7	B
	Right Turn	67	65	96.7%	14.9	B
	Subtotal	764	777	101.7%	16.6	B
SB	Left Turn	15	13	88.0%	13.4	B
	Through	435	455	104.6%	9.1	A
	Right Turn	26	27	101.9%	8.8	A
	Subtotal	476	495	103.9%	9.2	A
EB	Left Turn	47	50	106.4%	21.2	C
	Through	293	295	100.7%	19.5	B
	Right Turn	16	14	88.8%	10.8	B
	Subtotal	356	359	100.9%	19.4	B
WB	Left Turn	32	29	91.6%	33.2	C
	Through	340	323	95.1%	29.9	C
	Right Turn	82	78	94.5%	22.5	C
	Subtotal	454	430	94.8%	28.7	C
Total		2,050	2,061	100.5%	17.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	52	88.8%	18.8	B
	Through	1,134	1,045	92.2%	20.9	C
	Right Turn	100	103	102.7%	22.3	C
	Subtotal	1,292	1,200	92.8%	21.0	C
SB	Left Turn	55	54	98.2%	25.8	C
	Through	649	689	106.1%	13.9	B
	Right Turn	48	48	100.8%	15.0	B
	Subtotal	752	791	105.2%	14.7	B
EB	Left Turn	79	79	99.5%	18.7	B
	Through	254	255	100.6%	10.4	B
	Right Turn	42	41	97.4%	6.7	A
	Subtotal	375	375	100.0%	12.0	B
WB	Left Turn	52	58	112.1%	22.7	C
	Through	348	334	95.9%	24.7	C
	Right Turn	254	234	92.1%	24.8	C
	Subtotal	654	626	95.7%	24.5	C
Total		3,073	2,991	97.3%	19.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	7	5	72.9%	52.3	D
	Through					
	Right Turn	102	78	76.3%	19.0	B
	Subtotal	109	83	76.1%	21.7	C
SB	Left Turn	17	17	100.6%	39.6	D
	Through	29	27	94.5%	37.3	D
	Right Turn	8	7	91.3%	13.1	B
	Subtotal	54	52	95.9%	34.3	C
EB	Left Turn	10	10	95.0%	18.1	B
	Through	390	384	98.4%	19.9	B
	Right Turn	15	14	96.0%	22.5	C
	Subtotal	415	408	98.2%	20.1	C
WB	Left Turn	7	7	104.3%	17.2	B
	Through	646	609	94.2%	11.9	B
	Right Turn	13	10	80.0%	5.8	A
	Subtotal	666	626	94.1%	11.9	B
Total		1,244	1,169	93.9%	16.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	179	169	94.5%	17.4	B
	Through	1,112	1,057	95.0%	12.4	B
	Right Turn	49	46	94.7%	9.7	A
	Subtotal	1,340	1,273	95.0%	13.0	B
SB	Left Turn	116	120	103.3%	36.5	D
	Through	500	522	104.4%	13.4	B
	Right Turn	57	69	121.8%	8.9	A
	Subtotal	673	711	105.7%	16.9	B
EB	Left Turn	102	107	104.8%	14.7	B
	Through	335	324	96.7%	18.4	B
	Right Turn	72	66	91.9%	5.8	A
	Subtotal	509	497	97.6%	16.1	B
WB	Left Turn	55	48	86.9%	27.0	C
	Through	430	388	90.3%	20.3	C
	Right Turn	393	360	91.5%	11.7	B
	Subtotal	878	796	90.6%	16.8	B
Total		3,400	3,276	96.4%	15.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	5	3	68.0%	5.8	A
	Through	657	521	79.3%	21.1	C
	Right Turn	35	29	82.6%	13.2	B
	Subtotal	697	553	79.4%	20.6	C
SB	Left Turn	201	196	97.4%	35.9	D
	Through	275	273	99.4%	21.4	C
	Right Turn	186	192	103.0%	14.2	B
	Subtotal	662	661	99.8%	23.5	C
EB	Left Turn	228	224	98.3%	60.6	E
	Through	271	269	99.1%	19.3	B
	Right Turn	1	1	80.0%	0.1	A
	Subtotal	500	494	98.7%	38.4	D
WB	Left Turn					
	Through	687	601	87.4%	38.6	D
	Right Turn	370	319	86.1%	40.3	D
	Subtotal	1,057	919	87.0%	39.2	D
Total		2,916	2,627	90.1%	31.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	31	23	74.2%	19.3	B
	Through	980	827	84.3%	11.9	B
	Right Turn	57	48	84.9%	5.9	A
	Subtotal	1,068	898	84.1%	11.7	B
SB	Left Turn	27	25	94.1%	18.5	B
	Through	463	451	97.4%	10.4	B
	Right Turn	5	5	104.0%	5.2	A
	Subtotal	495	481	97.3%	10.7	B
EB	Left Turn	11	12	112.7%	23.3	C
	Through	5	6	112.0%	8.4	A
	Right Turn	20	21	105.5%	5.9	A
	Subtotal	36	39	108.6%	12.8	B
WB	Left Turn	263	250	95.2%	22.1	C
	Through	6	6	98.3%	11.5	B
	Right Turn	81	81	99.4%	6.7	A
	Subtotal	350	337	96.2%	18.2	B
Total		1,949	1,755	90.1%	12.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 7 Vignes/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	346	276	79.9%	204.5	F
	Through	719	633	88.1%	60.7	E
	Right Turn	208	182	87.5%	20.7	C
	Subtotal	1,273	1,091	85.7%	93.4	F
SB	Left Turn	296	271	91.7%	45.3	D
	Through	426	388	91.0%	35.9	D
	Right Turn	62	60	96.1%	25.1	C
	Subtotal	784	719	91.7%	38.7	D
EB	Left Turn	45	47	104.4%	54.3	D
	Through	948	903	95.2%	58.8	E
	Right Turn	325	321	98.9%	32.5	C
	Subtotal	1,318	1,271	96.4%	52.0	D
WB	Left Turn	198	181	91.4%	39.7	D
	Through	878	722	82.3%	83.5	F
	Right Turn	304	244	80.4%	7.7	A
	Subtotal	1,380	1,148	83.2%	60.2	E
Total		4,755	4,229	88.9%	61.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	3	2	80.0%	11.7	B
	Through					
	Right Turn	4	4	87.5%	3.1	A
	Subtotal	7	6	84.3%	14.8	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,450	1,355	93.5%	1.6	A
	Right Turn	2	2	95.0%	3.4	A
	Subtotal	1,452	1,357	93.5%	1.6	A
WB	Left Turn	14	0	0.0%	0.0	A
	Through	1,377	1,130	82.1%	317.3	F
	Right Turn	7	0	0.0%	0.0	A
	Subtotal	1,398	1,130	80.9%	317.3	F
Total		2,857	2,493	87.3%	140.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	348	219	63.0%	1140.5	F
	Through	581	433	74.5%	98.0	F
	Right Turn	83	62	75.2%	71.9	E
	Subtotal	1,012	715	70.6%	442.5	F
SB	Left Turn	46	48	103.7%	42.9	D
	Through	476	468	98.2%	54.6	D
	Right Turn	366	359	98.0%	276.9	F
	Subtotal	888	874	98.4%	149.3	F
EB	Left Turn	445	449	100.8%	46.3	D
	Through	663	602	90.8%	52.3	D
	Right Turn	346	311	89.8%	41.7	D
	Subtotal	1,454	1,361	93.6%	48.0	D
WB	Left Turn	172	161	93.3%	191.0	F
	Through	684	641	93.7%	232.6	F
	Right Turn	27	24	87.4%	209.9	F
	Subtotal	883	825	93.5%	223.6	F
Total		4,237	3,775	89.1%	156.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,325	1,256	94.8%	11.9	B
	Right Turn					
	Subtotal	1,325	1,256	94.8%	11.9	B
SB	Left Turn					
	Through	622	630	101.3%	2.8	A
	Right Turn	5	5	108.0%	0.5	A
	Subtotal	627	636	101.4%	2.7	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	260	260	99.9%	43.2	D
	Through	1	2	150.0%	16.9	B
	Right Turn	15	14	96.0%	39.0	D
	Subtotal	276	276	99.9%	43.0	D
Total		2,228	2,167	97.3%	13.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	21	21	100.0%	13.6	B
	Through	655	663	101.3%	13.1	B
	Right Turn	64	67	103.9%	11.3	B
	Subtotal	740	751	101.5%	12.9	B
SB	Left Turn	51	53	103.5%	18.2	B
	Through	411	421	102.5%	8.4	A
	Right Turn	21	19	90.5%	7.2	A
	Subtotal	483	493	102.1%	9.4	A
EB	Left Turn	15	16	108.0%	22.6	C
	Through	213	211	99.0%	17.5	B
	Right Turn	31	26	84.2%	14.7	B
	Subtotal	259	253	97.8%	17.5	B
WB	Left Turn	30	26	85.3%	18.0	B
	Through	185	172	92.8%	15.5	B
	Right Turn	94	87	92.9%	5.2	A
	Subtotal	309	285	92.1%	12.7	B
Total		1,791	1,782	99.5%	12.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	119	106	88.9%	37.6	D
	Through	1,040	943	90.7%	22.7	C
	Right Turn	65	60	92.5%	26.3	C
	Subtotal	1,224	1,109	90.6%	24.4	C
SB	Left Turn	61	89	146.2%	53.9	D
	Through	636	652	102.5%	10.8	B
	Right Turn	46	44	96.3%	20.3	C
	Subtotal	743	786	105.7%	16.4	B
EB	Left Turn	121	122	100.9%	19.0	B
	Through	124	121	97.9%	19.5	B
	Right Turn	83	85	102.4%	12.9	B
	Subtotal	328	329	100.2%	17.7	B
WB	Left Turn	39	30	75.6%	34.1	C
	Through	144	107	74.4%	33.4	C
	Right Turn	131	103	78.9%	29.6	C
	Subtotal	314	240	76.4%	31.7	C
Total		2,609	2,463	94.4%	21.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,101	1,019	92.6%	5.3	A
	Right Turn	13	13	100.0%	4.1	A
	Subtotal	1,114	1,032	92.7%	5.3	A
SB	Left Turn	16	16	101.9%	26.9	C
	Through	882	891	101.0%	21.8	C
	Right Turn					
	Subtotal	898	908	101.1%	21.9	C
EB	Left Turn	948	809	85.4%	37.0	D
	Through	23	17	73.9%	32.7	C
	Right Turn	37	31	84.6%	14.3	B
	Subtotal	1,008	858	85.1%	36.2	D
WB	Left Turn	42	43	102.1%	48.5	D
	Through					
	Right Turn	73	73	99.7%	7.5	A
	Subtotal	115	116	100.6%	21.8	C
Total		3,135	2,913	92.9%	20.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 14 Broadway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	192	182	94.7%	44.4	D
	Through	855	797	93.2%	52.9	D
	Right Turn	182	170	93.6%	85.5	F
	Subtotal	1,229	1,149	93.5%	56.3	E
SB	Left Turn	112	114	101.6%	80.4	F
	Through	443	449	101.4%	23.5	C
	Right Turn	203	201	99.1%	9.3	A
	Subtotal	758	764	100.8%	27.8	C
EB	Left Turn	210	191	90.9%	179.8	F
	Through	1,055	983	93.2%	158.7	F
	Right Turn	64	57	88.9%	88.9	F
	Subtotal	1,329	1,231	92.6%	158.6	F
WB	Left Turn	139	118	84.7%	48.9	D
	Through	1,203	1,001	83.2%	17.2	B
	Right Turn	159	124	78.1%	8.9	A
	Subtotal	1,501	1,243	82.8%	19.1	B
Total		4,817	4,387	91.1%	68.0	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 15 Spring/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	30	29	96.7%	44.1	D
	Through	99	101	101.7%	38.2	D
	Right Turn	72	71	98.3%	30.6	C
	Subtotal	201	201	99.8%	36.2	D
EB	Left Turn					
	Through	1,126	1,065	94.6%	16.6	B
	Right Turn	223	219	98.2%	4.8	A
	Subtotal	1,349	1,284	95.2%	14.6	B
WB	Left Turn	179	177	98.6%	53.7	D
	Through	1,429	1,146	80.2%	58.4	E
	Right Turn	100	80	79.5%	19.5	B
	Subtotal	1,708	1,402	82.1%	55.3	E
Total		3,258	2,886	88.6%	36.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	427	348	81.5%	55.7	E
	Through	880	733	83.3%	56.6	E
	Right Turn	278	243	87.5%	64.0	E
	Subtotal	1,585	1,325	83.6%	58.5	E
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	105	102	97.4%	91.5	F
	Through	1,051	1,008	95.9%	38.9	D
	Right Turn					
	Subtotal	1,156	1,111	96.1%	44.3	D
WB	Left Turn					
	Through	1,296	1,024	79.0%	34.1	C
	Right Turn	23	20	88.3%	19.1	B
	Subtotal	1,319	1,045	79.2%	33.7	C
Total		4,060	3,480	85.7%	47.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	113	108	95.7%	136.8	F
	Through	822	788	95.8%	20.6	C
	Right Turn	161	167	103.9%	18.7	B
	Subtotal	1,096	1,063	97.0%	32.2	C
SB	Left Turn	100	105	104.8%	15.5	B
	Through	699	695	99.5%	29.9	C
	Right Turn	162	161	99.1%	40.7	D
	Subtotal	961	961	100.0%	30.3	C
EB	Left Turn	150	142	94.7%	52.5	D
	Through	969	925	95.5%	18.1	B
	Right Turn	210	194	92.3%	5.1	A
	Subtotal	1,329	1,261	94.9%	20.5	C
WB	Left Turn	173	125	72.1%	38.3	D
	Through	1,044	800	76.7%	80.1	F
	Right Turn	142	103	72.2%	58.1	E
	Subtotal	1,359	1,028	75.6%	73.3	E
Total		4,745	4,312	90.9%	37.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	97	91	93.3%	29.0	C
	Through					
	Right Turn	175	14	8.2%	129.9	F
	Subtotal	272	105	38.5%	44.2	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,143	958	83.8%	258.3	F
	Right Turn	87	39	44.8%	217.0	F
	Subtotal	1,230	997	81.1%	256.8	F
WB	Left Turn	49	84	170.6%	4.0	A
	Through	1,237	1,111	89.8%	5.7	A
	Right Turn					
	Subtotal	1,286	1,194	92.9%	5.6	A
Total		2,788	2,296	82.4%	112.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 19 Alameda/Los Angeles Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	558	548	98.2%	18.5	B
	Right Turn	88	86	98.2%	8.6	A
	Subtotal	646	634	98.2%	17.3	B
SB	Left Turn	72	75	103.8%	34.1	C
	Through	836	761	91.1%	33.4	C
	Right Turn	174	179	102.6%	30.0	C
	Subtotal	1,082	1,015	93.8%	32.9	C
EB	Left Turn	441	416	94.4%	49.0	D
	Through	94	87	92.6%	50.2	D
	Right Turn	110	102	92.8%	24.6	C
	Subtotal	645	605	93.8%	45.2	D
WB	Left Turn	156	153	97.8%	32.4	C
	Through	62	64	102.6%	27.2	C
	Right Turn	97	103	105.9%	6.0	A
	Subtotal	315	319	101.2%	23.1	C
Total		2,688	2,573	95.7%	30.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,038	1,010	97.3%	14.5	B
	Right Turn					
	Subtotal	1,038	1,010	97.3%	14.5	B
SB	Left Turn					
	Through	508	486	95.6%	13.4	B
	Right Turn					
	Subtotal	508	486	95.6%	13.4	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	205	188	91.6%	26.0	C
	Through					
	Right Turn	650	596	91.7%	16.3	B
	Subtotal	855	784	91.6%	18.7	B
Total		2,401	2,279	94.9%	15.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 21 Spring/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	451	364	80.6%	23.3	C
	Right Turn	103	88	85.8%	6.9	A
	Subtotal	554	452	81.6%	20.1	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	213	252	118.4%	47.1	D
	Through	752	700	93.1%	21.2	C
	Right Turn					
	Subtotal	965	952	98.7%	28.5	C
Total		1,519	1,404	92.5%	24.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	274	232	84.5%	29.1	C
	Through	1,324	1,103	83.3%	20.9	C
	Right Turn					
	Subtotal	1,598	1,335	83.5%	21.8	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	691	723	104.7%	16.6	B
	Right Turn	93	91	97.5%	11.1	B
	Subtotal	784	814	103.8%	15.7	B
Total		2,382	2,149	90.2%	19.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 23 Los Angeles/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	190	172	90.7%	12.3	B
	Through	1,079	1,004	93.0%	7.2	A
	Right Turn					
	Subtotal	1,269	1,176	92.7%	7.9	A
SB	Left Turn					
	Through	155	165	106.5%	14.2	B
	Right Turn	39	39	100.0%	15.0	B
	Subtotal	194	204	105.2%	14.3	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	104	104	99.6%	59.9	E
	Through	555	605	108.9%	61.1	E
	Right Turn	53	51	95.7%	58.9	E
	Subtotal	712	759	106.6%	60.7	E
Total		2,175	2,139	98.3%	27.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 24 Alameda/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	22	25	112.7%	9.2	A
	Through	508	513	101.0%	5.0	A
	Right Turn	1,217	1,114	91.5%	6.4	A
	Subtotal	1,747	1,652	94.5%	6.0	A
SB	Left Turn	169	153	90.3%	64.8	E
	Through	676	611	90.3%	16.1	B
	Right Turn	30	34	111.7%	9.6	A
	Subtotal	875	797	91.0%	25.3	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	253	247	97.5%	86.1	F
	Through	660	704	106.6%	92.5	F
	Right Turn	303	281	92.8%	192.7	F
	Subtotal	1,216	1,232	101.3%	113.3	F
Total		3,838	3,680	95.9%	46.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	102	103	100.8%	40.9	D
	Through	366	344	94.0%	36.7	D
	Right Turn	79	78	99.0%	4.9	A
	Subtotal	547	525	96.0%	32.6	C
SB	Left Turn	520	456	87.7%	46.3	D
	Through	272	246	90.3%	26.6	C
	Right Turn	284	220	77.5%	31.2	C
	Subtotal	1,076	922	85.7%	37.4	D
EB	Left Turn	297	286	96.4%	116.5	F
	Through					
	Right Turn					
	Subtotal	297	286	96.4%	116.5	F
WB	Left Turn	204	186	91.2%	154.7	F
	Through	156	155	99.2%	174.4	F
	Right Turn	507	433	85.3%	225.7	F
	Subtotal	867	773	89.2%	199.4	F
Total		2,787	2,506	89.9%	88.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 26		Broadway/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	890	861	96.8%	89.9	F
	Right Turn	230	210	91.3%	68.3	E
	Subtotal	1,120	1,071	95.6%	85.6	F
SB	Left Turn	102	92	90.5%	83.3	F
	Through	611	579	94.8%	10.9	B
	Right Turn					
	Subtotal	713	672	94.2%	22.1	C
EB	Left Turn	148	151	101.7%	40.3	D
	Through	418	426	101.9%	34.6	C
	Right Turn	46	54	116.7%	8.0	A
	Subtotal	612	630	103.0%	34.0	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,445	2,373	97.1%	53.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	113	97	86.2%	29.1	C
	Through	551	615	111.6%	16.5	B
	Right Turn					
	Subtotal	664	712	107.3%	18.5	B
EB	Left Turn					
	Through	668	644	96.4%	26.2	C
	Right Turn	82	80	97.1%	21.7	C
	Subtotal	750	724	96.5%	25.7	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,414	1,436	101.6%	22.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,504	1,240	82.5%	45.3	D
	Right Turn	270	221	81.7%	48.1	D
	Subtotal	1,774	1,461	82.3%	46.0	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	94	95	101.1%	57.0	E
	Through	687	675	98.3%	59.7	E
	Right Turn					
	Subtotal	781	770	98.6%	59.5	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,555	2,231	87.3%	50.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,188	1,107	93.2%	50.1	D
	Right Turn	204	352	172.4%	50.9	D
	Subtotal	1,570	1,458	92.9%	50.3	D
SB	Left Turn					
	Through	259	268	103.4%	8.1	A
	Right Turn					
	Subtotal	259	268	103.4%	8.1	A
EB	Left Turn	586	594	101.3%	78.7	E
	Through	266	278	104.3%	50.3	D
	Right Turn	24	20	82.1%	48.1	D
	Subtotal	957	891	93.1%	69.1	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,786	2,617	93.9%	52.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 30		Alameda/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,210	1,129	93.3%	48.2	D
	Right Turn	127	121	95.1%	22.1	C
	Subtotal	1,337	1,250	93.5%	45.6	D
SB	Left Turn	167	147	88.0%	98.4	F
	Through	762	709	93.0%	7.8	A
	Right Turn					
	Subtotal	929	856	92.1%	25.5	C
EB	Left Turn	366	365	99.7%	69.2	E
	Through	47	48	102.6%	20.8	C
	Right Turn	31	28	90.6%	4.5	A
	Subtotal	444	441	99.4%	59.3	E
WB	Left Turn	93	85	91.5%	169.5	F
	Through					
	Right Turn	171	159	92.7%	364.4	F
	Subtotal	264	244	92.3%	291.5	F
Total		2,974	2,790	93.8%	63.1	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	35	98.3%	32.8	C
	Through	435	433	99.6%	31.6	C
	Right Turn	25	26	102.0%	21.4	C
	Subtotal	496	494	99.6%	31.2	C
SB	Left Turn	130	141	108.2%	51.9	D
	Through	25	24	96.4%	46.9	D
	Right Turn	181	183	100.9%	6.8	A
	Subtotal	336	347	103.4%	26.8	C
EB	Left Turn	321	300	93.4%	39.5	D
	Through	66	62	93.6%	42.7	D
	Right Turn	11	10	92.7%	11.6	B
	Subtotal	398	372	93.4%	39.8	D
WB	Left Turn	1	2	150.0%	11.6	B
	Through	45	39	87.3%	58.4	E
	Right Turn	345	312	90.3%	27.0	C
	Subtotal	391	353	90.2%	30.4	C
Total		1,621	1,566	96.6%	32.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 32 Broadway/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	20	100.5%	83.2	F
	Through	808	805	99.7%	111.7	F
	Right Turn	72	65	90.0%	195.5	F
	Subtotal	900	890	98.9%	117.3	F
SB	Left Turn	45	42	93.6%	23.5	C
	Through	567	536	94.6%	5.1	A
	Right Turn	45	54	118.9%	8.1	A
	Subtotal	657	632	96.2%	6.7	A
EB	Left Turn	69	69	100.3%	165.7	F
	Through	765	753	98.5%	122.6	F
	Right Turn	21	18	83.8%	99.4	F
	Subtotal	855	840	98.3%	126.8	F
WB	Left Turn	97	80	82.3%	48.8	D
	Through	763	717	94.0%	22.6	C
	Right Turn	243	219	90.1%	39.3	D
	Subtotal	1,103	1,016	92.1%	28.1	C
Total		3,515	3,378	96.1%	69.0	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	58	55	94.0%	95.0	F
	Through	466	535	114.8%	51.3	D
	Right Turn	109	103	94.3%	53.1	D
	Subtotal	633	692	109.4%	55.8	E
EB	Left Turn					
	Through	820	791	96.5%	73.2	E
	Right Turn	62	60	97.3%	53.2	D
	Subtotal	882	851	96.5%	71.9	E
WB	Left Turn	49	52	105.5%	12.3	B
	Through	994	924	93.0%	14.1	B
	Right Turn					
	Subtotal	1,043	976	93.6%	14.0	B
Total		2,558	2,520	98.5%	44.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	278	226	81.2%	253.9	F
	Through	1,483	1,183	79.8%	308.9	F
	Right Turn	136	113	83.1%	315.6	F
	Subtotal	1,897	1,522	80.2%	301.1	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	90	86	95.8%	52.1	D
	Through	788	750	95.2%	96.1	F
	Right Turn					
	Subtotal	878	836	95.3%	91.7	F
WB	Left Turn					
	Through	765	749	97.9%	19.3	B
	Right Turn	201	188	93.4%	29.2	C
	Subtotal	966	936	96.9%	21.4	C
Total		3,741	3,294	88.1%	166.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	172	164	95.1%	85.2	F
	Through	1,165	1,075	92.3%	91.7	F
	Right Turn	82	77	94.4%	79.9	E
	Subtotal	1,419	1,316	92.7%	90.1	F
SB	Left Turn	97	104	106.7%	72.8	E
	Through	388	387	99.6%	20.7	C
	Right Turn	342	342	100.1%	39.8	D
	Subtotal	827	832	100.6%	35.2	D
EB	Left Turn	134	135	100.7%	184.4	F
	Through	674	622	92.3%	29.6	C
	Right Turn	116	106	91.4%	27.9	C
	Subtotal	924	863	93.4%	54.5	D
WB	Left Turn	71	67	94.2%	38.6	D
	Through	452	433	95.8%	40.4	D
	Right Turn	271	258	95.1%	56.4	E
	Subtotal	794	757	95.4%	46.7	D
Total		3,964	3,769	95.1%	60.2	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	166	157	94.3%	38.6	D
	Through					
	Right Turn	223	244	109.5%	37.9	D
	Subtotal	389	401	103.0%	38.4	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	822	775	94.2%	19.8	B
	Right Turn	31	28	91.0%	15.2	B
	Subtotal	853	803	94.1%	19.7	B
WB	Left Turn	39	50	129.2%	14.8	B
	Through	628	606	96.4%	10.4	B
	Right Turn					
	Subtotal	667	656	98.4%	10.6	B
Total		1,909	1,860	97.4%	20.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	142	131	92.5%	24.7	C
	Through	968	882	91.1%	37.3	D
	Second Right					
	Subtotal	1,110	1,013	91.3%	35.5	D
SB	Left Turn	47	37	77.9%	43.2	D
	Through	663	556	83.8%	28.1	C
	Second Right					
	Subtotal	985	820	83.3%	23.0	C
EB	Left Turn	235	230	98.0%	37.3	D
	Through	576	572	99.3%	36.9	D
	Second Right					
	Subtotal	1,045	1,014	97.0%	51.8	D
WB	Left Turn	32	33	102.5%	84.1	F
	Through	250	265	106.0%	59.2	E
	Second Right					
	Subtotal	416	437	105.1%	64.6	E
Total		3,556	3,284	92.4%	41.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 38 Los Angeles/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	32	88.9%	119.8	F
	Through	1,244	1,180	94.9%	143.8	F
	Right Turn	62	59	94.8%	143.6	F
	Subtotal	1,342	1,271	94.7%	143.3	F
SB	Left Turn	44	39	88.0%	36.1	D
	Through	510	500	98.0%	17.4	B
	Right Turn	21	19	91.9%	5.5	A
	Subtotal	575	558	97.0%	18.1	B
EB	Left Turn	62	32	51.3%	47.0	D
	Through	854	683	79.9%	100.3	F
	Right Turn	51	38	75.3%	57.1	E
	Subtotal	967	753	77.8%	95.6	F
WB	Left Turn	15	12	82.0%	38.2	D
	Through	504	509	101.0%	24.4	C
	Right Turn	113	111	97.8%	17.1	B
	Subtotal	632	632	100.0%	23.5	C
Total		3,516	3,214	91.4%	85.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	20	200.0%	30.4	C
	Through	302	299	99.0%	31.0	C
	Right Turn	44	46	104.1%	28.8	C
	Subtotal	356	365	102.5%	30.8	C
SB	Left Turn	15	14	92.0%	37.4	D
	Through	40	35	86.8%	20.8	C
	Right Turn	15	30	200.0%	53.7	D
	Subtotal	70	79	112.1%	35.0	C
EB	Left Turn	15	30	202.0%	23.8	C
	Through	926	757	81.7%	44.6	D
	Right Turn	19	15	76.3%	2.6	A
	Subtotal	960	802	83.5%	43.1	D
WB	Left Turn	31	31	98.4%	24.1	C
	Through	607	584	96.1%	12.9	B
	Right Turn	72	72	100.1%	10.1	B
	Subtotal	710	686	96.6%	13.1	B
Total		2,096	1,931	92.1%	29.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	150	97.5%	29.9	C
	Through					
	Right Turn	22	21	97.3%	21.3	C
	Subtotal	176	172	97.5%	28.8	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	970	820	84.5%	59.7	E
	Right Turn	15	11	74.0%	42.9	D
	Subtotal	985	831	84.4%	59.5	E
WB	Left Turn	16	16	100.0%	19.2	B
	Through	556	552	99.3%	7.2	A
	Right Turn					
	Subtotal	572	568	99.3%	7.5	A
Total		1,733	1,571	90.7%	37.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
CB
PM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	75	99.7%	38.5	D
	Through	637	617	96.8%	24.7	C
	Right Turn	122	119	97.8%	9.7	A
	Subtotal	834	811	97.2%	23.9	C
SB	Left Turn	35	34	95.7%	36.5	D
	Through	743	696	93.7%	21.7	C
	Right Turn	151	139	91.9%	10.5	B
	Subtotal	929	868	93.5%	20.6	C
EB	Left Turn	396	327	82.5%	25.9	C
	Through	486	425	87.4%	14.4	B
	Right Turn	110	89	81.1%	14.9	B
	Subtotal	992	841	84.7%	19.1	B
WB	Left Turn					
	Through	346	355	102.7%	16.6	B
	Right Turn	77	74	96.6%	13.4	B
	Subtotal	423	430	101.6%	16.0	B
Total		3,178	2,949	92.8%	20.4	C

PM PROJECT

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 1		Hill/Alpine			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	11	11	97.3%	7.7	7.3	A
	Through	284	305	107.5%	6.0	1.2	A
	Right Turn	21	22	102.4%	4.2	3.8	A
	Subtotal	316	338	106.8%	6.0	1.1	A
SB	Left Turn	26	24	93.8%	13.9	6.6	B
	Through	743	775	104.3%	10.8	1.5	B
	Right Turn	10	10	95.0%	9.4	4.6	A
	Subtotal	779	809	103.9%	10.8	1.4	B
EB	Left Turn	1	1	80.0%	5.3	16.7	A
	Through	150	154	102.7%	22.8	3.4	C
	Right Turn	1	1	120.0%	5.0	8.6	A
	Subtotal	152	156	102.6%	22.8	3.5	C
WB	Left Turn	52	45	86.9%	31.6	6.0	C
	Through	785	684	87.1%	29.0	1.7	C
	Right Turn	41	37	90.2%	26.2	5.6	C
	Subtotal	878	766	87.3%	29.1	1.9	C
Total		2,125	2,069	97.3%	18.0	1.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	39	34	86.2%	9.6	A
	Through	351	294	83.7%	6.4	A
	Right Turn	42	47	111.2%	6.6	A
	Subtotal	432	374	86.6%	6.8	A
SB	Left Turn	98	93	94.7%	29.0	C
	Through	1,267	1,282	101.2%	31.8	C
	Right Turn	204	195	95.7%	28.9	C
	Subtotal	1,569	1,570	100.1%	31.3	C
EB	Left Turn	21	22	104.3%	49.0	D
	Through	149	150	100.4%	31.8	C
	Right Turn	27	25	93.0%	28.7	C
	Subtotal	197	197	99.8%	33.1	C
WB	Left Turn	177	158	89.2%	40.2	D
	Through	635	538	84.7%	33.8	C
	Right Turn	83	69	83.3%	24.9	C
	Subtotal	895	765	85.5%	34.7	C
Total		3,093	2,906	94.0%	28.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 3

Spring/Alpine

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	24	15	62.5%	55.3	9.2	E
	Right Turn						
	Subtotal	24	15	62.5%	55.3	9.2	E
SB	Left Turn						
	Through	21	19	90.5%	44.5	13.3	D
	Right Turn						
	Subtotal	21	19	90.5%	44.5	13.3	D
EB	Left Turn	21	20	97.1%	42.7	13.1	D
	Through	248	240	96.7%	24.5	2.7	C
	Right Turn	15	13	84.0%	21.9	9.4	C
	Subtotal	284	273	96.0%	25.8	3.0	C
WB	Left Turn	10	9	89.0%	12.6	13.8	B
	Through	957	805	84.1%	18.4	6.9	B
	Right Turn	84	70	83.5%	12.5	6.1	B
	Subtotal	1,051	884	84.1%	17.9	6.6	B
Total		1,380	1,191	86.3%	20.8	5.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	50	86.4%	27.6	C
	Through	392	356	90.8%	8.6	A
	Right Turn	12	12	97.5%	2.7	A
	Subtotal	462	418	90.4%	10.5	B
SB	Left Turn	171	152	88.9%	166.9	F
	Through	1,069	955	89.3%	232.4	F
	Right Turn	240	224	93.2%	211.0	F
	Subtotal	1,480	1,330	89.9%	221.7	F
EB	Left Turn	61	69	112.5%	18.7	B
	Through	122	112	91.9%	10.2	B
	Right Turn	65	57	88.0%	51.0	D
	Subtotal	248	238	95.9%	21.8	C
WB	Left Turn	49	39	78.8%	80.6	F
	Through	753	611	81.2%	25.3	C
	Right Turn	164	134	81.4%	7.5	A
	Subtotal	966	784	81.1%	25.0	C
Total		3,156	2,769	87.7%	115.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	60.0%	5.5	A
	Through	217	145	66.8%	12.1	B
	Right Turn	42	29	68.6%	9.0	A
	Subtotal	260	174	67.0%	11.6	B
SB	Left Turn	227	165	72.5%	141.7	F
	Through	493	331	67.1%	268.4	F
	Right Turn	544	379	69.7%	217.3	F
	Subtotal	1,264	875	69.2%	222.4	F
EB	Left Turn	68	60	88.1%	40.0	D
	Through	232	211	90.8%	26.3	C
	Right Turn	5	4	84.0%	35.0	C
	Subtotal	305	275	90.1%	29.9	C
WB	Left Turn					
	Through	421	400	95.1%	35.9	D
	Right Turn	185	177	95.8%	33.8	C
	Subtotal	606	578	95.3%	35.4	D
Total		2,435	1,901	78.1%	109.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	20	97.5%	8.3	A
	Through	609	568	93.3%	9.7	A
	Right Turn	164	157	95.6%	5.5	A
	Subtotal	793	745	93.9%	8.8	A
SB	Left Turn	61	50	82.3%	11.0	B
	Through	450	368	81.8%	9.3	A
	Right Turn	12	10	83.3%	6.9	A
	Subtotal	523	428	81.9%	9.5	A
EB	Left Turn	4	4	90.0%	15.2	B
	Through	4	4	95.0%	7.5	A
	Right Turn	6	7	118.3%	4.0	A
	Subtotal	14	15	103.6%	12.0	B
WB	Left Turn	123	126	102.0%	23.1	C
	Through	4	4	100.0%	18.2	B
	Right Turn	27	30	110.7%	5.4	A
	Subtotal	154	159	103.5%	19.7	B
Total		1,484	1,347	90.7%	10.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	217	226	104.1%	85.5	F
	Through	393	416	105.9%	26.1	C
	Right Turn	118	120	101.5%	6.1	A
	Subtotal	728	762	104.7%	40.0	D
SB	Left Turn	158	126	79.8%	43.9	D
	Through	418	347	82.9%	26.6	C
	Right Turn	33	28	85.8%	14.3	B
	Subtotal	609	501	82.2%	29.9	C
EB	Left Turn	57	53	92.5%	25.9	C
	Through	463	444	95.9%	32.3	C
	Right Turn	281	268	95.3%	15.3	B
	Subtotal	801	765	95.5%	26.1	C
WB	Left Turn	309	300	97.1%	27.2	C
	Through	1,264	1,183	93.6%	35.8	D
	Right Turn	339	308	90.9%	6.8	A
	Subtotal	1,912	1,791	93.7%	29.3	C
Total		4,050	3,818	94.3%	30.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	6	8	138.3%	46.1	D
	Through					
	Right Turn	8	7	87.5%	5.8	A
	Subtotal	14	15	109.3%	29.9	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	721	672	93.2%	1.9	A
	Right Turn	18	18	97.2%	5.1	A
	Subtotal	739	690	93.3%	2.0	A
WB	Left Turn	6	6	101.7%	33.8	C
	Through	1,902	1,766	92.8%	74.5	E
	Right Turn	32	27	84.7%	58.4	E
	Subtotal	1,940	1,799	92.7%	74.3	E
Total		2,693	2,504	93.0%	53.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	265	259	97.7%	59.2	E
	Through	501	506	101.0%	22.1	C
	Right Turn	90	88	97.6%	2.8	A
	Subtotal	856	853	99.6%	31.2	C
SB	Left Turn	26	23	88.5%	158.0	F
	Through	1,021	922	90.3%	163.5	F
	Right Turn	738	686	93.0%	228.1	F
	Subtotal	1,785	1,631	91.4%	192.0	F
EB	Left Turn	286	278	97.2%	51.0	D
	Through	265	249	93.8%	50.1	D
	Right Turn	178	151	84.9%	29.2	C
	Subtotal	729	678	93.0%	45.9	D
WB	Left Turn	305	291	95.2%	216.7	F
	Through	937	880	93.9%	211.9	F
	Right Turn	8	7	88.8%	215.1	F
	Subtotal	1,250	1,177	94.2%	213.1	F
Total		4,620	4,339	93.9%	143.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 10

Alameda/Alhambra

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	11	10	93.6%	11.6	8.7	B
	Through	447	408	91.3%	7.0	0.9	A
	Right Turn						
	Subtotal	458	419	91.4%	7.2	1.0	A
SB	Left Turn						
	Through	1,180	1,021	86.5%	120.5	24.9	F
	Right Turn	3	3	110.0%	18.8	41.1	B
	Subtotal	1,183	1,024	86.5%	120.5	24.8	F
EB	Left Turn						
	Through						
	Right Turn	10	10	100.0%	17.0	10.0	B
	Subtotal	10	10	100.0%	17.0	10.0	B
WB	Left Turn	467	293	62.8%	346.9	36.9	F
	Through	16	10	59.4%	302.9	78.1	F
	Right Turn	15	9	60.7%	305.0	117.3	F
	Subtotal	498	312	62.6%	345.5	37.0	F
Total		2,149	1,764	82.1%	131.2	18.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 11

Hill/Ord

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	15	14	96.0%	9.3	5.3	A
	Through	276	301	109.1%	9.3	2.3	A
	Right Turn	22	24	107.3%	7.4	4.1	A
	Subtotal	313	339	108.3%	9.2	2.3	A
SB	Left Turn	42	47	111.4%	9.5	3.5	A
	Through	739	760	102.9%	9.8	3.5	A
	Right Turn	15	14	94.7%	10.8	9.0	B
	Subtotal	796	821	103.2%	9.9	3.3	A
EB	Left Turn	10	9	93.0%	18.5	15.5	B
	Through	76	75	99.1%	25.9	7.6	C
	Right Turn	10	11	113.0%	23.8	14.4	C
	Subtotal	96	96	99.9%	25.0	5.5	C
WB	Left Turn	46	41	90.0%	30.2	3.6	C
	Through	257	223	86.7%	30.0	3.4	C
	Right Turn	30	28	92.7%	12.5	5.9	B
	Subtotal	333	292	87.7%	28.3	2.8	C
Total		1,538	1,548	100.7%	14.4	2.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	62	87.6%	42.0	D
	Through	385	324	84.2%	7.8	A
	Second Right					
	Subtotal	530	443	83.6%	24.1	C
SB	Left Turn	83	106	127.6%	96.8	F
	Through	1,244	1,219	98.0%	32.7	C
	Second Right					
	Subtotal	1,471	1,460	99.3%	37.6	D
EB	Left Turn	9	9	102.2%	63.9	E
	Through	90	92	102.3%	63.3	E
	Second Right					
	Subtotal	140	145	103.4%	58.6	E
WB	Left Turn	64	40	62.2%	149.0	F
	Through	118	74	62.9%	93.8	F
	Second Right					
	Subtotal	220	147	66.9%	93.2	F
Total		2,361	2,195	93.0%	39.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	564	444	78.7%	5.7	A
	Right Turn	45	36	80.0%	4.7	A
	Subtotal	609	480	78.8%	5.7	A
SB	Left Turn	34	25	74.4%	10.5	B
	Through	1,466	1,132	77.2%	41.1	D
	Right Turn					
	Subtotal	1,500	1,157	77.1%	40.5	D
EB	Left Turn	204	194	95.1%	29.5	C
	Through	47	42	88.9%	24.5	C
	Right Turn	16	19	118.1%	39.4	D
	Subtotal	267	255	95.4%	29.5	C
WB	Left Turn	21	21	100.5%	58.3	E
	Through					
	Right Turn	8	6	80.0%	4.9	A
	Subtotal	29	28	94.8%	46.1	D
Total		2,405	1,919	79.8%	29.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	128	108	84.5%	29.4	C
	Through	337	267	79.1%	22.6	C
	Right Turn	123	100	81.1%	18.5	B
	Subtotal	588	475	80.7%	23.4	C
SB	Left Turn	136	133	97.4%	57.3	E
	Through	840	806	95.9%	47.5	D
	Right Turn	373	360	96.6%	34.9	C
	Subtotal	1,349	1,299	96.3%	45.0	D
EB	Left Turn	139	140	100.6%	43.3	D
	Through	767	788	102.7%	22.6	C
	Right Turn	112	114	101.7%	14.3	B
	Subtotal	1,018	1,042	102.3%	24.7	C
WB	Left Turn	139	125	89.8%	13.8	B
	Through	1,435	1,245	86.7%	12.0	B
	Right Turn	54	42	76.9%	3.8	A
	Subtotal	1,628	1,411	86.7%	11.9	B
Total		4,583	4,226	92.2%	26.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	3	3	93.3%	27.2	C
	Through	349	317	90.7%	90.2	F
	Right Turn	170	149	87.5%	85.4	F
	Subtotal	522	468	89.7%	88.5	F
EB	Left Turn					
	Through	714	708	99.2%	9.2	A
	Right Turn	312	327	104.9%	4.7	A
	Subtotal	1,026	1,035	100.9%	7.7	A
WB	Left Turn	233	240	103.1%	51.8	D
	Through	1,458	1,233	84.5%	51.4	D
	Right Turn	17	13	75.9%	18.7	B
	Subtotal	1,708	1,486	87.0%	51.2	D
Total		3,256	2,989	91.8%	42.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	146	126	86.2%	42.3	D
	Through	183	169	92.4%	32.0	C
	Right Turn	107	106	99.3%	22.5	C
	Subtotal	436	401	92.0%	33.0	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	70	70	99.4%	29.5	C
	Through	647	664	102.7%	3.3	A
	Right Turn					
	Subtotal	717	734	102.4%	5.8	A
WB	Left Turn					
	Through	1,546	1,331	86.1%	17.7	B
	Right Turn	14	16	117.1%	5.2	A
	Subtotal	1,560	1,347	86.4%	17.5	B
Total		2,713	2,482	91.5%	16.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	145	122	84.3%	141.0	F
	Through	501	398	79.4%	25.4	C
	Right Turn	181	182	100.8%	25.5	C
	Subtotal	827	703	84.9%	49.9	D
SB	Left Turn	99	82	82.3%	19.9	B
	Through	1,214	938	77.2%	49.5	D
	Right Turn	190	148	77.9%	31.9	C
	Subtotal	1,503	1,167	77.7%	45.5	D
EB	Left Turn	78	75	95.9%	16.6	B
	Through	549	580	105.6%	8.0	A
	Right Turn	127	125	98.7%	10.2	B
	Subtotal	754	780	103.4%	9.0	A
WB	Left Turn	164	151	91.8%	32.8	C
	Through	1,225	1,109	90.5%	57.7	E
	Right Turn	30	20	67.3%	40.0	D
	Subtotal	1,419	1,280	90.2%	54.6	D
Total		4,503	3,929	87.3%	41.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	24	3	12.1%	35.1	D
	Through					
	Right Turn	55	5	8.4%	11.5	B
	Subtotal	79	8	9.5%	33.1	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	746	761	102.0%	1.0	A
	Right Turn	83	81	97.0%	1.5	A
	Subtotal	829	841	101.5%	1.0	A
WB	Left Turn	84	67	79.5%	96.9	F
	Through	1,430	1,327	92.8%	136.0	F
	Right Turn					
	Subtotal	1,514	1,394	92.1%	134.1	F
Total		2,422	2,243	92.6%	83.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	697	571	81.9%	40.0	D
	Right Turn	40	20	48.8%	21.4	C
	Subtotal	737	591	80.1%	39.2	D
SB	Left Turn	61	60	97.7%	84.7	F
	Through	1,115	888	79.7%	71.4	E
	Right Turn	329	264	80.1%	79.0	E
	Subtotal	1,505	1,212	80.5%	73.8	E
EB	Left Turn	100	101	101.2%	76.3	E
	Through	56	50	89.3%	101.3	F
	Right Turn	20	17	84.5%	131.2	F
	Subtotal	176	168	95.5%	89.8	F
WB	Left Turn	111	90	80.9%	27.9	C
	Through	60	58	96.7%	22.6	C
	Right Turn	30	44	148.0%	36.0	D
	Subtotal	201	192	95.6%	28.4	C
Total		2,619	2,162	82.6%	61.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 20 Broadway/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	466	496	106.3%	11.4	B
	Right Turn					
	Subtotal	466	496	106.3%	11.4	B
SB	Left Turn					
	Through	762	726	95.3%	14.5	B
	Right Turn					
	Subtotal	762	726	95.3%	14.5	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	365	227	62.1%	21.0	C
	Through					
	Right Turn	829	513	61.9%	7.4	A
	Subtotal	1,194	739	61.9%	11.7	B
Total		2,422	1,961	81.0%	12.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	877	712	81.2%	26.2	C
	Right Turn	35	31	88.3%	5.8	A
	Subtotal	912	743	81.4%	25.5	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	529	381	72.0%	29.9	C
	Through	1,159	708	61.1%	31.7	C
	Right Turn					
	Subtotal	1,688	1,089	64.5%	31.1	C
Total		2,600	1,832	70.5%	28.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 22 Main/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	80	82	102.1%	10.3	B
	Through	355	354	99.6%	5.1	A
	Right Turn					
	Subtotal	435	435	100.1%	6.1	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	1,608	1,002	62.3%	24.9	C
	Right Turn	81	48	58.9%	24.1	C
	Subtotal	1,689	1,050	62.1%	24.9	C
Total		2,124	1,485	69.9%	19.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	88	83	94.3%	13.7	B
	Through	265	272	102.8%	5.1	A
	Right Turn					
	Subtotal	353	355	100.7%	7.2	A
SB	Left Turn					
	Through	347	286	82.4%	22.0	C
	Right Turn	38	32	83.7%	25.1	C
	Subtotal	385	318	82.5%	22.2	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	360	196	54.4%	38.5	D
	Through	1,563	938	60.0%	45.7	D
	Right Turn	71	40	56.6%	41.7	D
	Subtotal	1,994	1,174	58.9%	44.5	D
Total		2,732	1,847	67.6%	33.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	143	125	87.7%	106.2	F
	Through	849	768	90.5%	32.9	C
	Right Turn	50	83	166.8%	25.0	C
	Subtotal	1,042	977	93.8%	41.9	D
SB	Left Turn	13	28	216.9%	57.8	E
	Through	939	714	76.0%	82.2	F
	Right Turn	69	58	83.8%	80.1	F
	Subtotal	1,021	800	78.3%	81.1	F
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	484	260	53.8%	186.3	F
	Through	1,782	987	55.4%	234.6	F
	Right Turn	274	137	49.9%	219.7	F
	Subtotal	2,540	1,384	54.5%	224.0	F
Total		4,603	3,161	68.7%	130.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	93	90	97.0%	44.4	D
	Through	264	206	78.0%	26.0	C
	Right Turn	101	102	101.1%	5.8	A
	Subtotal	458	398	87.0%	24.6	C
SB	Left Turn	591	514	87.0%	62.8	E
	Through	302	256	84.8%	35.0	D
	Right Turn	353	256	72.5%	39.0	D
	Subtotal	1,246	1,026	82.3%	50.1	D
EB	Left Turn	235	276	117.3%	54.9	D
	Through					
	Right Turn					
	Subtotal	235	276	117.3%	54.9	D
WB	Left Turn	109	105	96.1%	36.8	D
	Through	149	172	115.1%	81.2	F
	Right Turn	373	376	100.8%	12.9	B
	Subtotal	631	652	103.3%	34.9	C
Total		2,570	2,352	91.5%	42.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 26 Broadway/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	331	366	110.4%	10.0	A
	Right Turn	83	87	104.2%	4.1	A
	Subtotal	414	452	109.2%	8.9	A
SB	Left Turn	144	122	84.7%	11.2	B
	Through	983	827	84.1%	7.3	A
	Right Turn					
	Subtotal	1,127	949	84.2%	7.8	A
EB	Left Turn	135	133	98.1%	23.7	C
	Through	279	285	102.2%	20.5	C
	Right Turn	163	173	105.8%	10.0	A
	Subtotal	577	590	102.3%	18.3	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,118	1,991	94.0%	11.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 27

Spring/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	171	152	88.9%	1.3	A
	Through	1,235	1,091	88.3%	11.8	B
	Right Turn					
	Subtotal	1,406	1,243	88.4%	10.6	B
EB	Left Turn					
	Through	309	301	97.3%	17.9	B
	Right Turn	197	191	97.1%	8.5	A
	Subtotal	506	492	97.2%	14.2	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,912	1,735	90.7%	11.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	388	392	101.1%	7.9	A
	Right Turn	217	218	100.5%	19.7	B
	Subtotal	605	610	100.8%	12.2	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	47	43	92.3%	9.4	A
	Through	433	441	101.7%	16.1	B
	Right Turn					
	Subtotal	480	484	100.8%	15.5	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,085	1,094	100.8%	13.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	334	336	100.7%	15.3	2.1	B
	Right Turn	85	144	169.1%	17.0	1.9	B
	Subtotal	479	480	100.2%	15.9	1.3	B
SB	Left Turn						
	Through	707	482	68.1%	10.5	1.2	B
	Right Turn						
	Subtotal	707	482	68.1%	10.5	1.2	B
EB	Left Turn	252	262	103.8%	18.3	2.8	B
	Through	222	250	112.5%	31.5	5.4	C
	Right Turn	157	149	94.7%	30.8	5.1	C
	Subtotal	650	660	101.5%	26.2	2.7	C
WB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
Total		1,836	1,622	88.3%	18.5	1.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 30

Alameda/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	777	690	88.8%	220.3	40.0	F
	Right Turn	158	149	94.3%	88.0	29.2	F
	Subtotal	935	839	89.7%	197.9	40.2	F
SB	Left Turn	200	139	69.4%	36.4	7.6	D
	Through	1,223	836	68.4%	16.1	1.9	B
	Right Turn						
	Subtotal	1,423	975	68.5%	19.2	2.3	B
EB	Left Turn	59	95	160.3%	46.3	6.0	D
	Through	66	68	102.3%	31.0	8.5	C
	Right Turn	157	153	97.4%	8.4	1.8	A
	Subtotal	282	315	111.7%	25.4	2.4	C
WB	Left Turn	149	139	93.4%	19.3	3.2	B
	Through						
	Right Turn	206	195	94.4%	52.3	12.7	D
	Subtotal	355	334	94.0%	39.0	8.4	D
Total		2,995	2,462	82.2%	82.8	11.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 31

US 101 Ramps/Commercial

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	13	14	103.8%	32.9	9.5	C
	Through	43	41	95.3%	35.4	5.0	D
	Right Turn	7	8	107.1%	7.3	3.3	A
	Subtotal	63	62	98.4%	31.8	5.6	C
SB	Left Turn	218	229	105.0%	31.2	5.0	C
	Through	63	65	103.2%	30.7	6.9	C
	Right Turn	200	191	95.3%	5.8	0.9	A
	Subtotal	481	484	100.7%	21.0	3.2	C
EB	Left Turn	271	226	83.3%	24.8	3.8	C
	Through	77	69	89.5%	19.0	4.6	B
	Right Turn	26	20	78.1%	8.2	4.1	A
	Subtotal	374	315	84.2%	22.4	3.3	C
WB	Left Turn	10	9	92.0%	33.6	11.5	C
	Through	122	107	87.9%	34.3	4.5	C
	Right Turn	176	161	91.5%	19.4	1.9	B
	Subtotal	308	277	90.1%	25.8	3.1	C
Total		1,226	1,139	92.9%	23.2	2.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 32

Broadway/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	1	1	110.0%	8.6	16.0	A
	Through	363	404	111.2%	8.2	0.6	A
	Right Turn						
	Subtotal	364	405	111.2%	8.3	0.7	A
SB	Left Turn	55	47	84.9%	7.4	1.5	A
	Through	1,028	894	86.9%	7.6	0.8	A
	Right Turn	63	66	104.6%	9.8	1.7	A
	Subtotal	1,146	1,006	87.8%	7.8	0.8	A
EB	Left Turn	25	26	102.4%	31.4	6.3	C
	Through	585	605	103.4%	19.8	1.2	B
	Right Turn	154	151	98.1%	17.0	2.6	B
	Subtotal	764	782	102.3%	19.7	1.2	B
WB	Left Turn	79	60	76.3%	27.3	4.1	C
	Through	973	869	89.4%	16.7	1.0	B
	Right Turn	26	22	85.0%	14.4	2.7	B
	Subtotal	1,078	952	88.3%	17.3	0.9	B
Total		3,352	3,145	93.8%	13.7	0.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	59	47	79.5%	36.5	10.0	D
	Through	1,172	1,062	90.6%	34.4	9.1	C
	Right Turn	201	168	83.8%	32.3	8.1	C
	Subtotal	1,432	1,277	89.2%	34.1	8.4	C
EB	Left Turn						
	Through	499	524	104.9%	18.8	2.0	B
	Right Turn	141	139	98.3%	21.2	3.6	C
	Subtotal	640	662	103.5%	19.4	2.1	B
WB	Left Turn	113	112	98.8%	10.2	1.4	B
	Through	877	811	92.5%	9.1	0.7	A
	Right Turn						
	Subtotal	990	923	93.2%	9.2	0.7	A
Total		3,062	2,862	93.5%	22.8	3.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 34

Main/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	120	127	106.0%	18.9	3.1	B
	Through	457	475	103.9%	19.3	1.3	B
	Right Turn	174	178	102.2%	18.5	9.4	B
	Subtotal	751	780	103.8%	19.1	2.3	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	60	61	102.3%	15.2	3.1	B
	Through	498	505	101.4%	20.2	8.0	C
	Right Turn						
	Subtotal	558	567	101.5%	19.6	7.3	B
WB	Left Turn						
	Through	870	786	90.3%	13.0	2.0	B
	Right Turn	88	79	89.4%	13.1	4.7	B
	Subtotal	958	865	90.3%	13.1	2.1	B
Total		2,267	2,155	95.1%	23.5	18.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 35

Los Angeles/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	75	75	99.6%	26.4	10.3	C
	Through	331	333	100.6%	13.8	1.7	B
	Right Turn	60	63	105.7%	19.0	6.7	B
	Subtotal	466	471	101.1%	16.6	2.0	B
SB	Left Turn	175	137	78.3%	22.0	4.2	C
	Through	872	694	79.6%	17.4	2.3	B
	Right Turn	86	78	90.9%	24.5	2.3	C
	Subtotal	1,133	909	80.3%	18.8	1.6	B
EB	Left Turn	31	45	145.5%	72.5	24.4	E
	Through	400	415	103.8%	24.3	2.1	C
	Right Turn	241	220	91.1%	24.5	3.9	C
	Subtotal	672	680	101.1%	27.8	3.7	C
WB	Left Turn	109	96	88.4%	36.9	5.8	D
	Through	797	711	89.2%	48.2	11.9	D
	Right Turn	117	102	86.8%	39.8	11.1	D
	Subtotal	1,023	909	88.8%	46.3	10.9	D
Total		3,294	2,969	90.1%	28.9	4.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	76	78	102.9%	26.9	9.1	C
	Through						
	Right Turn	42	49	116.9%	11.8	3.0	B
	Subtotal	118	127	107.9%	21.1	5.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	369	365	99.0%	9.5	1.3	A
	Right Turn	266	248	93.2%	13.6	3.1	B
	Subtotal	635	613	96.6%	11.3	1.6	B
WB	Left Turn	149	147	98.9%	18.7	6.3	B
	Through	947	827	87.4%	11.6	1.8	B
	Right Turn						
	Subtotal	1,096	975	88.9%	12.6	1.8	B
Total		1,849	1,715	92.8%	12.7	1.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 37

Alameda/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	240	226	94.0%	80.9	25.3	F
	Through	771	710	92.1%	149.8	55.4	F
	Second Right						
	Subtotal	1,011	936	92.6%	132.6	47.8	F
SB	Left Turn	67	47	70.1%	46.4	10.6	D
	Through	970	721	74.4%	28.8	2.5	C
	Second Right						
	Subtotal	1,529	1,131	74.0%	23.6	1.9	C
EB	Left Turn	95	92	96.6%	36.4	12.2	D
	Through	186	199	107.2%	23.6	3.8	C
	Second Right						
	Subtotal	411	411	100.0%	30.4	3.8	C
WB	Left Turn	28	28	98.9%	67.7	13.4	E
	Through	364	389	106.9%	77.6	9.7	E
	Second Right						
	Subtotal	461	489	106.1%	80.0	10.2	E
Total		3,412	2,967	87.0%	66.9	14.2	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through	446	441	98.9%	16.0	2.2	B
	Right Turn						
	Subtotal	446	441	98.9%	16.0	2.2	B
SB	Left Turn	51	42	81.6%	22.6	6.2	C
	Through	1,017	839	82.5%	19.5	1.7	B
	Right Turn	154	132	85.5%	8.4	2.2	A
	Subtotal	1,222	1,012	82.8%	18.2	1.6	B
EB	Left Turn	10	18	175.0%	34.8	14.8	C
	Through	513	531	103.5%	14.8	1.9	B
	Right Turn	93	94	101.1%	7.3	1.5	A
	Subtotal	616	643	104.3%	14.4	1.6	B
WB	Left Turn	46	36	77.8%	22.2	10.1	C
	Through	787	764	97.1%	12.5	2.2	B
	Right Turn	10	10	96.0%	2.4	2.5	A
	Subtotal	843	810	96.0%	12.9	2.1	B
Total		3,127	2,905	92.9%	15.6	1.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	15	23	154.7%	33.9	9.6	C
	Through	98	98	99.7%	19.8	4.1	B
	Right Turn	21	20	94.8%	6.7	3.0	A
	Subtotal	134	141	105.1%	20.7	3.4	C
SB	Left Turn	15	12	79.3%	19.5	8.0	B
	Through	379	347	91.7%	20.1	2.2	C
	Right Turn	21	36	169.5%	30.3	7.4	C
	Subtotal	415	395	95.2%	20.8	2.1	C
EB	Left Turn	10	23	226.0%	31.9	9.4	C
	Through	539	536	99.4%	6.5	0.8	A
	Right Turn	15	16	104.7%	6.3	4.9	A
	Subtotal	564	574	101.8%	7.4	0.7	A
WB	Left Turn	33	29	89.1%	19.7	6.2	B
	Through	807	764	94.6%	18.5	5.6	B
	Right Turn	10	8	79.0%	13.7	9.1	B
	Subtotal	850	801	94.2%	18.5	5.5	B
Total		1,963	1,911	97.3%	15.9	2.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 40		Central/1st			Signal		
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		LOS
			Average	Percent	Average	Std. Dev.	
NB	Left Turn	154	155	100.7%	22.0	3.6	C
	Through						
	Right Turn	12	12	103.3%	5.8	3.9	A
	Subtotal	166	168	100.9%	20.9	3.5	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	472	485	102.8%	17.6	2.1	B
	Right Turn	103	104	101.1%	12.2	2.4	B
	Subtotal	575	589	102.5%	16.7	2.0	B
WB	Left Turn	26	23	86.5%	12.4	11.5	B
	Through	696	665	95.5%	9.2	1.9	A
	Right Turn						
	Subtotal	722	687	95.2%	9.3	1.8	A
Total		1,463	1,444	98.7%	13.7	1.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
AM Peak Hour

Intersection 41

Alameda/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	4	4	95.0%	40.6	72.7	D
	Through	953	896	94.0%	128.7	74.3	F
	Right Turn	50	49	98.2%	77.8	59.2	E
	Subtotal	1,007	949	94.2%	125.9	73.3	F
SB	Left Turn	24	18	75.0%	44.2	16.4	D
	Through	913	704	77.1%	16.1	2.1	B
	Right Turn	191	144	75.5%	15.3	5.3	B
	Subtotal	1,128	866	76.8%	16.6	2.3	B
EB	Left Turn	31	30	97.4%	23.9	8.3	C
	Through	402	419	104.2%	11.6	1.7	B
	Right Turn	51	49	96.3%	13.1	2.9	B
	Subtotal	484	498	103.0%	12.6	1.7	B
WB	Left Turn						
	Through	527	535	101.6%	24.0	4.4	C
	Right Turn	27	29	106.3%	28.7	11.6	C
	Subtotal	554	564	101.8%	24.3	4.1	C
Total		3,173	2,877	90.7%	50.7	21.1	D

PM PROJECT

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	32	32	100.9%	19.3	B
	Through	665	675	101.4%	16.7	B
	Right Turn	67	69	103.1%	15.9	B
	Subtotal	764	776	101.6%	16.7	B
SB	Left Turn	15	14	90.7%	10.7	B
	Through	435	456	104.8%	9.1	A
	Right Turn	26	25	94.2%	10.1	B
	Subtotal	476	494	103.7%	9.2	A
EB	Left Turn	47	43	92.3%	22.0	C
	Through	293	294	100.4%	18.3	B
	Right Turn	16	16	100.0%	7.5	A
	Subtotal	356	354	99.3%	18.3	B
WB	Left Turn	32	29	90.9%	28.5	C
	Through	340	317	93.1%	30.1	C
	Right Turn	82	74	90.1%	21.5	C
	Subtotal	454	420	92.4%	28.6	C
Total		2,050	2,043	99.7%	17.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	46	79.5%	20.0	B
	Through	1,134	1,033	91.0%	21.3	C
	Right Turn	100	101	101.0%	21.9	C
	Subtotal	1,292	1,180	91.3%	21.3	C
SB	Left Turn	55	53	96.9%	23.8	C
	Through	649	677	104.3%	12.9	B
	Right Turn	48	47	97.1%	12.0	B
	Subtotal	752	777	103.3%	13.6	B
EB	Left Turn	79	82	103.3%	19.3	B
	Through	254	257	101.2%	11.1	B
	Right Turn	42	40	96.2%	6.3	A
	Subtotal	375	379	101.1%	12.3	B
WB	Left Turn	52	60	115.4%	24.4	C
	Through	348	329	94.5%	26.8	C
	Right Turn	254	236	93.0%	28.9	C
	Subtotal	654	625	95.6%	27.5	C
Total		3,073	2,961	96.3%	19.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	7	5	67.1%	53.3	D
	Through					
	Right Turn	102	77	75.3%	27.0	C
	Subtotal	109	82	74.8%	30.2	C
SB	Left Turn	17	16	95.3%	34.8	C
	Through	29	26	89.3%	41.7	D
	Right Turn	8	8	102.5%	9.6	A
	Subtotal	54	50	93.1%	34.4	C
EB	Left Turn	10	12	116.0%	34.8	C
	Through	390	386	98.9%	18.2	B
	Right Turn	15	13	85.3%	28.3	C
	Subtotal	415	410	98.8%	18.7	B
WB	Left Turn	7	7	94.3%	7.4	A
	Through	646	608	94.1%	10.8	B
	Right Turn	13	12	89.2%	9.3	A
	Subtotal	666	626	94.0%	10.8	B
Total		1,244	1,168	93.9%	16.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	179	159	88.7%	17.1	B
	Through	1,112	960	86.3%	12.4	B
	Right Turn	49	45	91.0%	10.9	B
	Subtotal	1,340	1,163	86.8%	13.0	B
SB	Left Turn	116	114	98.1%	46.3	D
	Through	500	520	104.1%	14.4	B
	Right Turn	57	69	121.1%	9.5	A
	Subtotal	673	703	104.5%	20.2	C
EB	Left Turn	102	101	99.1%	19.6	B
	Through	335	326	97.3%	21.7	C
	Right Turn	72	72	100.0%	6.6	A
	Subtotal	509	499	98.0%	19.3	B
WB	Left Turn	55	52	94.7%	26.9	C
	Through	430	399	92.9%	19.5	B
	Right Turn	393	369	93.9%	11.3	B
	Subtotal	878	820	93.4%	16.2	B
Total		3,400	3,185	93.7%	16.4	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	5	2	46.0%	9.3	A
	Through	657	470	71.6%	21.4	C
	Right Turn	35	26	75.4%	18.2	B
	Subtotal	697	499	71.6%	21.2	C
SB	Left Turn	201	196	97.4%	33.1	C
	Through	275	269	97.9%	22.4	C
	Right Turn	186	183	98.2%	15.6	B
	Subtotal	662	648	97.8%	23.6	C
EB	Left Turn	228	224	98.2%	67.8	E
	Through	271	261	96.2%	24.2	C
	Right Turn	1	1	90.0%	0.0	A
	Subtotal	500	486	97.1%	43.7	D
WB	Left Turn					
	Through	687	635	92.4%	35.8	D
	Right Turn	370	339	91.5%	42.5	D
	Subtotal	1,057	974	92.1%	38.3	D
Total		2,916	2,606	89.4%	32.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	31	24	76.5%	13.9	B
	Through	980	883	90.1%	12.1	B
	Right Turn	57	55	96.0%	6.9	A
	Subtotal	1,068	961	90.0%	11.8	B
SB	Left Turn	27	25	93.7%	21.4	C
	Through	463	442	95.4%	9.9	A
	Right Turn	5	5	96.0%	4.5	A
	Subtotal	495	472	95.3%	10.5	B
EB	Left Turn	11	13	119.1%	17.8	B
	Through	5	5	106.0%	17.4	B
	Right Turn	20	20	98.0%	5.6	A
	Subtotal	36	38	105.6%	12.3	B
WB	Left Turn	263	263	100.0%	23.8	C
	Through	6	7	108.3%	11.1	B
	Right Turn	81	80	99.1%	6.0	A
	Subtotal	350	350	99.9%	19.7	B
Total		1,949	1,821	93.4%	13.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	319	275	86.3%	192.3	F
	Through	719	690	95.9%	58.9	E
	Right Turn	208	198	95.3%	19.3	B
	Subtotal	1,246	1,163	93.4%	83.0	F
SB	Left Turn	296	274	92.6%	45.1	D
	Through	426	393	92.2%	33.4	C
	Right Turn	62	54	87.6%	25.4	C
	Subtotal	784	721	92.0%	37.7	D
EB	Left Turn	45	43	96.0%	44.0	D
	Through	948	868	91.5%	45.9	D
	Right Turn	299	292	97.7%	26.4	C
	Subtotal	1,292	1,203	93.1%	41.1	D
WB	Left Turn	198	194	97.9%	47.5	D
	Through	878	762	86.8%	76.8	E
	Right Turn	304	259	85.0%	7.1	A
	Subtotal	1,380	1,214	88.0%	56.4	E
Total		4,702	4,302	91.5%	55.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	3	3	110.0%	28.8	C
	Through					
	Right Turn	4	4	92.5%	3.3	A
	Subtotal	7	7	100.0%	17.7	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,450	1,340	92.4%	1.9	A
	Right Turn	2	2	90.0%	3.9	A
	Subtotal	1,452	1,341	92.4%	1.9	A
WB	Left Turn	14	0	0.0%	0.0	A
	Through	1,377	1,203	87.3%	247.3	F
	Right Turn	7	0	0.0%	0.0	A
	Subtotal	1,398	1,203	86.0%	242.4	F
Total		2,857	2,551	89.3%	109.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	348	249	71.5%	804.0	F
	Through	581	495	85.2%	82.2	F
	Right Turn	83	74	88.6%	53.0	D
	Subtotal	1,012	817	80.8%	321.5	F
SB	Left Turn	46	49	107.2%	42.2	D
	Through	476	466	97.8%	46.8	D
	Right Turn	366	376	102.7%	107.7	F
	Subtotal	888	891	100.3%	69.5	E
EB	Left Turn	445	436	97.9%	47.0	D
	Through	663	598	90.3%	49.4	D
	Right Turn	346	301	86.9%	36.3	D
	Subtotal	1,454	1,335	91.8%	45.8	D
WB	Left Turn	172	166	96.3%	82.4	F
	Through	684	663	97.0%	107.2	F
	Right Turn	27	25	91.5%	105.6	F
	Subtotal	883	854	96.7%	101.9	F
Total		4,237	3,896	92.0%	101.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,325	1,148	86.6%	11.2	B
	Right Turn					
	Subtotal	1,325	1,148	86.6%	11.2	B
SB	Left Turn					
	Through	622	640	102.9%	3.2	A
	Right Turn	5	5	100.0%	0.7	A
	Subtotal	627	645	102.9%	3.2	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	260	255	98.2%	43.4	D
	Through	1	1	110.0%	8.6	A
	Right Turn	15	15	99.3%	43.4	D
	Subtotal	276	271	98.3%	43.3	D
Total		2,228	2,064	92.6%	13.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	21	23	107.6%	12.2	B
	Through	655	671	102.5%	12.5	B
	Right Turn	64	63	98.9%	11.6	B
	Subtotal	740	757	102.3%	12.4	B
SB	Left Turn	51	52	102.5%	17.7	B
	Through	411	421	102.5%	8.1	A
	Right Turn	21	21	99.5%	11.3	B
	Subtotal	483	495	102.4%	9.2	A
EB	Left Turn	15	16	106.7%	26.3	C
	Through	213	215	100.8%	19.2	B
	Right Turn	31	32	101.9%	16.4	B
	Subtotal	259	262	101.2%	19.2	B
WB	Left Turn	30	27	91.3%	25.5	C
	Through	185	170	92.0%	16.1	B
	Right Turn	94	83	88.3%	7.2	A
	Subtotal	309	281	90.8%	14.6	B
Total		1,791	1,794	100.2%	12.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 12 Broadway/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	119	105	88.1%	40.1	D
	Through	1,040	929	89.3%	21.9	C
	Right Turn	65	59	90.5%	24.2	C
	Subtotal	1,224	1,092	89.2%	24.1	C
SB	Left Turn	61	84	138.0%	36.6	D
	Through	636	644	101.3%	10.8	B
	Right Turn	46	45	97.0%	16.2	B
	Subtotal	743	773	104.0%	14.1	B
EB	Left Turn	121	119	98.4%	20.6	C
	Through	124	124	99.8%	21.4	C
	Right Turn	83	87	104.7%	14.7	B
	Subtotal	328	330	100.5%	19.4	B
WB	Left Turn	39	29	73.3%	36.1	D
	Through	144	104	72.0%	32.3	C
	Right Turn	131	99	75.8%	27.2	C
	Subtotal	314	232	73.8%	30.1	C
Total		2,609	2,427	93.0%	20.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,101	922	83.7%	4.2	A
	Right Turn	13	10	75.4%	3.2	A
	Subtotal	1,114	932	83.6%	4.2	A
SB	Left Turn	16	17	108.8%	27.6	C
	Through	882	887	100.6%	27.2	C
	Right Turn					
	Subtotal	898	905	100.7%	27.2	C
EB	Left Turn	948	736	77.6%	38.0	D
	Through	23	19	81.7%	43.0	D
	Right Turn	37	32	85.9%	21.4	C
	Subtotal	1,008	787	78.0%	37.7	D
WB	Left Turn	42	43	101.4%	51.1	D
	Through					
	Right Turn	73	74	101.2%	6.6	A
	Subtotal	115	117	101.3%	22.9	C
Total		3,135	2,739	87.4%	22.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	192	179	93.0%	39.4	D
	Through	855	788	92.2%	36.7	D
	Right Turn	182	171	93.9%	63.7	E
	Subtotal	1,229	1,138	92.6%	41.6	D
SB	Left Turn	112	113	100.5%	101.0	F
	Through	443	444	100.3%	25.6	C
	Right Turn	203	200	98.3%	10.2	B
	Subtotal	758	757	99.8%	32.3	C
EB	Left Turn	210	189	90.2%	185.9	F
	Through	1,055	978	92.7%	178.9	F
	Right Turn	64	59	91.4%	91.6	F
	Subtotal	1,329	1,226	92.2%	176.7	F
WB	Left Turn	139	118	85.1%	47.8	D
	Through	1,203	1,018	84.6%	16.0	B
	Right Turn	159	128	80.2%	7.6	A
	Subtotal	1,501	1,264	84.2%	18.0	B
Total		4,817	4,384	91.0%	68.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	30	28	91.7%	46.1	D
	Through	99	99	99.8%	37.8	D
	Right Turn	72	68	94.0%	30.8	C
	Subtotal	201	194	96.5%	36.1	D
EB	Left Turn					
	Through	1,126	1,060	94.1%	16.2	B
	Right Turn	223	219	98.4%	5.4	A
	Subtotal	1,349	1,279	94.8%	14.3	B
WB	Left Turn	179	183	102.3%	56.4	E
	Through	1,429	1,173	82.1%	54.9	D
	Right Turn	100	78	78.1%	21.3	C
	Subtotal	1,708	1,434	83.9%	53.2	D
Total		3,258	2,907	89.2%	35.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	427	340	79.7%	42.6	D
	Through	880	661	75.1%	33.9	C
	Right Turn	278	217	78.0%	22.3	C
	Subtotal	1,585	1,218	76.9%	34.7	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	105	100	95.2%	120.0	F
	Through	1,051	1,007	95.8%	41.8	D
	Right Turn					
	Subtotal	1,156	1,107	95.8%	49.4	D
WB	Left Turn					
	Through	1,296	1,057	81.5%	30.0	C
	Right Turn	23	21	89.6%	7.6	A
	Subtotal	1,319	1,077	81.7%	29.7	C
Total		4,060	3,403	83.8%	37.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	113	100	88.5%	131.9	F
	Through	848	712	84.0%	48.2	D
	Right Turn	181	160	88.6%	48.7	D
	Subtotal	1,142	973	85.2%	58.2	E
SB	Left Turn	100	100	100.0%	21.9	C
	Through	699	694	99.2%	43.0	D
	Right Turn	162	163	100.6%	21.7	C
	Subtotal	961	957	99.5%	37.2	D
EB	Left Turn	150	134	89.2%	63.9	E
	Through	969	904	93.3%	16.7	B
	Right Turn	210	195	93.0%	3.4	A
	Subtotal	1,329	1,233	92.8%	19.5	B
WB	Left Turn	173	131	75.8%	45.0	D
	Through	1,044	837	80.2%	75.8	E
	Right Turn	116	85	73.4%	52.6	D
	Subtotal	1,333	1,053	79.0%	69.9	E
Total		4,765	4,215	88.5%	44.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 18

Union Station Driveway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	3	3.9%	12.5	B
	Through					
	Right Turn	129	5	3.5%	35.8	D
	Subtotal	200	7	3.7%	43.6	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,163	1,015	87.3%	230.5	F
	Right Turn	87	17	19.2%	182.5	F
	Subtotal	1,250	1,032	82.6%	229.7	F
WB	Left Turn	22	77	348.6%	3.8	A
	Through	1,237	1,084	87.6%	3.7	A
	Right Turn					
	Subtotal	1,259	1,160	92.2%	3.7	A
Total		2,709	2,200	81.2%	109.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	604	592	97.9%	38.0	D
	Right Turn	15	12	82.7%	12.6	B
	Subtotal	619	604	97.6%	37.6	D
SB	Left Turn	72	76	105.1%	62.8	E
	Through	836	770	92.1%	29.2	C
	Right Turn	174	172	99.0%	42.6	D
	Subtotal	1,082	1,018	94.0%	34.2	C
EB	Left Turn	441	286	64.8%	107.2	F
	Through	94	58	61.3%	133.9	F
	Right Turn	110	71	64.9%	141.2	F
	Subtotal	645	415	64.3%	116.1	F
WB	Left Turn	141	141	99.7%	21.1	C
	Through	62	58	93.9%	20.0	C
	Right Turn	97	99	101.9%	34.7	C
	Subtotal	300	298	99.2%	25.3	C
Total		2,646	2,334	88.2%	48.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,038	1,014	97.6%	12.2	B
	Right Turn					
	Subtotal	1,038	1,014	97.6%	12.2	B
SB	Left Turn					
	Through	508	488	96.1%	15.0	B
	Right Turn					
	Subtotal	508	488	96.1%	15.0	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	205	176	85.9%	26.8	C
	Through					
	Right Turn	650	558	85.9%	11.6	B
	Subtotal	855	734	85.9%	15.5	B
Total		2,401	2,236	93.1%	13.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	451	359	79.5%	21.9	C
	Right Turn	103	94	90.8%	3.8	A
	Subtotal	554	452	81.6%	18.1	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	213	230	107.9%	24.4	C
	Through	752	641	85.2%	28.2	C
	Right Turn					
	Subtotal	965	871	90.2%	27.2	C
Total		1,519	1,323	87.1%	24.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 22 Main/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	274	210	76.6%	22.6	C
	Through	1,324	994	75.0%	22.5	C
	Right Turn					
	Subtotal	1,598	1,204	75.3%	22.6	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	691	662	95.7%	7.6	A
	Right Turn	93	79	85.1%	6.6	A
	Subtotal	784	741	94.5%	7.5	A
Total		2,382	1,944	81.6%	17.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	190	118	62.3%	12.1	B
	Through	1,079	673	62.4%	20.0	C
	Right Turn					
	Subtotal	1,269	792	62.4%	18.9	B
SB	Left Turn					
	Through	155	156	100.9%	14.9	B
	Right Turn	39	36	91.3%	16.8	B
	Subtotal	194	192	99.0%	15.4	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	104	103	98.6%	59.0	E
	Through	555	587	105.8%	60.8	E
	Right Turn	53	51	95.8%	70.9	E
	Subtotal	712	740	104.0%	61.2	E
Total		2,175	1,724	79.3%	36.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	22	24	110.0%	9.5	A
	Through	508	498	98.0%	4.3	A
	Right Turn	1,217	1,077	88.5%	6.0	A
	Subtotal	1,747	1,599	91.6%	5.5	A
SB	Left Turn	169	151	89.4%	34.0	C
	Through	676	588	86.9%	17.8	B
	Right Turn	30	40	132.3%	15.0	B
	Subtotal	875	778	89.0%	20.9	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	253	242	95.6%	124.2	F
	Through	660	679	102.8%	165.1	F
	Right Turn	276	265	96.0%	203.6	F
	Subtotal	1,189	1,186	99.7%	165.7	F
Total		3,811	3,563	93.5%	63.0	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	102	102	100.1%	39.1	D
	Through	393	382	97.3%	36.0	D
	Right Turn	79	81	102.3%	4.8	A
	Subtotal	574	565	98.4%	31.8	C
SB	Left Turn	520	524	100.7%	50.5	D
	Through	287	324	112.9%	32.0	C
	Right Turn	284	222	78.3%	31.8	C
	Subtotal	1,091	1,070	98.1%	40.7	D
EB	Left Turn	297	300	100.8%	89.9	F
	Through					
	Right Turn					
	Subtotal	297	300	100.8%	89.9	F
WB	Left Turn	204	200	97.8%	101.1	F
	Through	156	180	115.4%	121.8	F
	Right Turn	507	469	92.4%	134.6	F
	Subtotal	867	848	97.8%	123.9	F
Total		2,829	2,783	98.4%	67.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 26 Broadway/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	890	866	97.3%	56.3	E
	Right Turn	230	212	92.2%	45.0	D
	Subtotal	1,120	1,078	96.3%	54.0	D
SB	Left Turn	102	95	93.1%	86.2	F
	Through	611	570	93.2%	10.0	B
	Right Turn					
	Subtotal	713	665	93.2%	22.3	C
EB	Left Turn	148	148	100.1%	45.9	D
	Through	418	423	101.2%	33.5	C
	Right Turn	46	54	117.8%	7.2	A
	Subtotal	612	625	102.2%	34.9	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,445	2,368	96.9%	40.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	113	97	86.0%	11.2	B
	Through	551	588	106.7%	15.4	B
	Right Turn					
	Subtotal	664	685	103.2%	14.8	B
EB	Left Turn					
	Through	668	651	97.4%	20.0	C
	Right Turn	82	77	94.0%	12.6	B
	Subtotal	750	728	97.0%	19.2	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,414	1,413	99.9%	17.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,504	1,108	73.6%	30.1	C
	Right Turn	270	195	72.3%	40.2	D
	Subtotal	1,774	1,303	73.4%	31.6	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	94	92	97.9%	63.5	E
	Through	687	683	99.4%	57.8	E
	Right Turn					
	Subtotal	781	775	99.2%	58.5	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,555	2,077	81.3%	41.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,188	719	60.5%	110.2	F
	Right Turn	204	231	113.2%	83.7	F
	Subtotal	1,570	949	60.5%	104.0	F
SB	Left Turn					
	Through	259	259	100.0%	6.4	A
	Right Turn					
	Subtotal	259	259	100.0%	6.4	A
EB	Left Turn	586	583	99.5%	90.8	F
	Through	266	275	103.5%	41.7	D
	Right Turn	24	20	81.3%	36.2	D
	Subtotal	957	878	91.7%	74.4	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,786	2,086	74.9%	77.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,210	1,111	91.8%	34.5	C
	Right Turn	127	119	93.5%	12.4	B
	Subtotal	1,337	1,229	92.0%	32.4	C
SB	Left Turn	167	153	91.8%	76.3	E
	Through	762	677	88.8%	9.9	A
	Right Turn					
	Subtotal	929	830	89.3%	22.3	C
EB	Left Turn	366	318	86.9%	35.5	D
	Through	47	41	86.8%	18.9	B
	Right Turn	31	22	71.6%	4.7	A
	Subtotal	444	381	85.9%	32.4	C
WB	Left Turn	93	91	97.4%	93.2	F
	Through					
	Right Turn	171	171	99.9%	220.7	F
	Subtotal	264	262	99.1%	181.6	F
Total		2,974	2,702	90.9%	45.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	37	102.8%	28.9	C
	Through	435	438	100.6%	33.3	C
	Right Turn	25	24	96.8%	22.3	C
	Subtotal	496	499	100.5%	32.6	C
SB	Left Turn	130	139	107.2%	37.5	D
	Through	25	23	90.4%	45.9	D
	Right Turn	181	182	100.6%	5.8	A
	Subtotal	336	344	102.4%	21.4	C
EB	Left Turn	321	299	93.0%	34.1	C
	Through	66	63	95.9%	24.9	C
	Right Turn	11	10	87.3%	5.7	A
	Subtotal	398	371	93.3%	32.0	C
WB	Left Turn	1	1	110.0%	15.2	B
	Through	45	46	102.2%	49.8	D
	Right Turn	345	350	101.4%	30.6	C
	Subtotal	391	397	101.5%	32.7	C
Total		1,621	1,611	99.4%	30.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 32 Broadway/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	21	103.0%	65.1	E
	Through	808	823	101.9%	59.1	E
	Right Turn	72	68	94.9%	146.5	F
	Subtotal	900	912	101.4%	65.8	E
SB	Left Turn	45	43	94.4%	53.6	D
	Through	567	529	93.3%	4.6	A
	Right Turn	45	50	111.6%	6.0	A
	Subtotal	657	622	94.7%	8.4	A
EB	Left Turn	69	59	86.1%	255.3	F
	Through	765	618	80.8%	289.4	F
	Right Turn	21	13	63.3%	245.0	F
	Subtotal	855	691	80.8%	286.4	F
WB	Left Turn	97	75	77.4%	28.8	C
	Through	763	661	86.6%	15.3	B
	Right Turn	243	199	81.9%	16.7	B
	Subtotal	1,103	935	84.8%	16.8	B
Total		3,515	3,160	89.9%	83.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	58	50	86.0%	136.6	F
	Through	466	520	111.5%	50.5	D
	Right Turn	109	97	88.9%	35.2	D
	Subtotal	633	666	105.3%	55.3	E
EB	Left Turn					
	Through	820	668	81.5%	120.7	F
	Right Turn	62	51	82.9%	79.3	E
	Subtotal	882	719	81.6%	117.8	F
WB	Left Turn	49	46	94.3%	8.4	A
	Through	994	845	85.0%	6.5	A
	Right Turn					
	Subtotal	1,043	891	85.4%	6.6	A
Total		2,558	2,277	89.0%	53.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 34 Main/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	278	200	71.9%	303.5	F
	Through	1,483	1,053	71.0%	377.5	F
	Right Turn	136	97	71.1%	389.1	F
	Subtotal	1,897	1,350	71.1%	367.6	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	90	73	80.9%	70.2	E
	Through	788	641	81.3%	125.6	F
	Right Turn					
	Subtotal	878	713	81.3%	119.8	F
WB	Left Turn					
	Through	765	687	89.7%	14.3	B
	Right Turn	201	159	78.9%	24.9	C
	Subtotal	966	845	87.5%	16.2	B
Total		3,741	2,908	77.7%	200.3	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	172	88	51.3%	213.8	F
	Through	1,165	593	50.9%	251.3	F
	Right Turn	82	45	54.3%	188.7	F
	Subtotal	1,419	726	51.2%	243.0	F
SB	Left Turn	97	95	98.4%	39.2	D
	Through	388	384	98.9%	32.9	C
	Right Turn	342	344	100.4%	42.0	D
	Subtotal	827	823	99.5%	37.9	D
EB	Left Turn	134	110	82.0%	251.4	F
	Through	674	538	79.8%	29.4	C
	Right Turn	116	90	77.8%	28.3	C
	Subtotal	924	738	79.9%	62.9	E
WB	Left Turn	71	65	91.8%	65.4	E
	Through	452	414	91.6%	80.7	F
	Right Turn	271	246	90.9%	167.7	F
	Subtotal	794	726	91.4%	109.3	F
Total		3,964	3,013	76.0%	107.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	166	157	94.3%	87.4	F
	Through					
	Right Turn	223	243	109.0%	52.3	D
	Subtotal	389	400	102.7%	66.5	E
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	822	656	79.8%	21.6	C
	Right Turn	31	22	71.9%	21.5	C
	Subtotal	853	679	79.5%	21.6	C
WB	Left Turn	39	50	128.5%	32.8	C
	Through	628	579	92.2%	94.1	F
	Right Turn					
	Subtotal	667	629	94.3%	89.6	F
Total		1,909	1,707	89.4%	56.8	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	142	133	93.4%	27.4	C
	Through	968	889	91.8%	29.9	C
	Second Right					
	Subtotal	1,110	1,022	92.0%	29.6	C
SB	Left Turn	47	36	76.8%	38.4	D
	Through	663	527	79.5%	30.2	C
	Second Right					
	Subtotal	985	780	79.2%	35.1	D
EB	Left Turn	235	207	87.9%	26.9	C
	Through	576	502	87.2%	24.6	C
	Second Right					
	Subtotal	1,045	897	85.8%	33.4	C
WB	Left Turn	32	32	98.8%	67.4	E
	Through	250	272	108.6%	66.2	E
	Second Right					
	Subtotal	416	437	105.0%	66.0	E
Total		3,556	3,135	88.2%	37.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	18	48.9%	333.7	F
	Through	1,244	596	47.9%	445.5	F
	Right Turn	62	30	48.9%	428.8	F
	Subtotal	1,342	644	48.0%	441.5	F
SB	Left Turn	44	38	85.9%	25.8	C
	Through	510	483	94.7%	16.1	B
	Right Turn	21	19	91.9%	5.8	A
	Subtotal	575	540	93.9%	16.2	B
EB	Left Turn	62	34	55.0%	60.2	E
	Through	854	698	81.7%	95.2	F
	Right Turn	51	40	77.5%	59.5	E
	Subtotal	967	771	79.7%	91.9	F
WB	Left Turn	15	12	80.7%	40.0	D
	Through	504	499	98.9%	30.5	C
	Right Turn	113	103	91.5%	59.0	E
	Subtotal	632	614	97.2%	35.2	D
Total		3,516	2,569	73.1%	146.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	19	188.0%	36.7	D
	Through	302	300	99.3%	36.5	D
	Right Turn	44	46	104.3%	30.6	C
	Subtotal	356	365	102.4%	36.0	D
SB	Left Turn	15	12	78.0%	28.1	C
	Through	40	32	79.0%	24.0	C
	Right Turn	15	30	196.7%	43.3	D
	Subtotal	70	73	104.0%	32.6	C
EB	Left Turn	15	29	194.0%	17.2	B
	Through	926	748	80.8%	33.8	C
	Right Turn	19	12	64.2%	3.5	A
	Subtotal	960	790	82.3%	32.7	C
WB	Left Turn	31	29	92.9%	27.4	C
	Through	607	576	94.9%	15.8	B
	Right Turn	72	72	100.6%	13.1	B
	Subtotal	710	677	95.4%	16.0	B
Total		2,096	1,904	90.8%	27.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	149	96.8%	32.7	C
	Through					
	Right Turn	22	22	98.6%	21.1	C
	Subtotal	176	171	97.0%	31.2	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	970	813	83.8%	54.2	D
	Right Turn	15	11	73.3%	28.8	C
	Subtotal	985	824	83.6%	53.8	D
WB	Left Turn	16	15	93.8%	15.4	B
	Through	556	546	98.2%	7.4	A
	Right Turn					
	Subtotal	572	561	98.1%	7.6	A
Total		1,733	1,556	89.8%	34.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Project
PM Peak Hour

Intersection 41 Alameda/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	73	97.5%	36.4	D
	Through	637	625	98.1%	26.3	C
	Right Turn	122	120	98.4%	10.7	B
	Subtotal	834	818	98.1%	25.0	C
SB	Left Turn	35	30	86.3%	38.1	D
	Through	743	660	88.8%	20.5	C
	Right Turn	151	130	85.8%	16.6	B
	Subtotal	929	819	88.2%	21.1	C
EB	Left Turn	396	325	82.2%	24.2	C
	Through	486	420	86.4%	13.4	B
	Right Turn	110	90	81.5%	13.6	B
	Subtotal	992	835	84.2%	17.5	B
WB	Left Turn					
	Through	346	359	103.8%	19.8	B
	Right Turn	77	75	97.8%	13.2	B
	Subtotal	423	434	102.7%	18.5	B
Total		3,178	2,907	91.5%	20.7	C

AM ALTERNATIVE 1

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	10	90.9%	6.8	A
	Through	284	310	109.0%	5.7	A
	Right Turn	21	22	106.7%	6.5	A
	Subtotal	316	342	108.2%	5.9	A
SB	Left Turn	26	26	98.1%	14.4	B
	Through	743	773	104.0%	10.3	B
	Right Turn	10	9	94.0%	9.1	A
	Subtotal	779	808	103.7%	10.4	B
EB	Left Turn	1	1	70.0%	6.8	A
	Through	150	153	102.3%	22.7	C
	Right Turn	1	1	130.0%	5.0	A
	Subtotal	152	155	102.2%	22.6	C
WB	Left Turn	52	47	91.2%	31.1	C
	Through	785	751	95.7%	29.8	C
	Right Turn	41	38	92.4%	25.1	C
	Subtotal	878	836	95.2%	29.7	C
Total		2,125	2,142	100.8%	18.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	39	34	87.9%	14.2	B
	Through	351	328	93.5%	6.6	A
	Right Turn	42	51	122.1%	5.9	A
	Subtotal	432	414	95.8%	7.0	A
SB	Left Turn	98	96	98.1%	19.0	B
	Through	1,267	1,282	101.2%	19.4	B
	Right Turn	204	200	97.8%	22.9	C
	Subtotal	1,569	1,578	100.6%	19.8	B
EB	Left Turn	21	23	108.1%	50.5	D
	Through	149	152	101.8%	31.2	C
	Right Turn	27	25	94.1%	26.5	C
	Subtotal	197	200	101.4%	32.9	C
WB	Left Turn	177	176	99.3%	40.4	D
	Through	635	602	94.8%	43.3	D
	Right Turn	83	81	97.2%	39.6	D
	Subtotal	895	858	95.9%	42.3	D
Total		3,093	3,050	98.6%	25.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	24	21	86.7%	60.4	E
	Right Turn					
	Subtotal	24	21	86.7%	60.4	E
SB	Left Turn					
	Through	21	19	89.5%	34.9	C
	Right Turn					
	Subtotal	21	19	89.5%	34.9	C
EB	Left Turn	21	20	93.8%	34.0	C
	Through	248	257	103.7%	14.0	B
	Right Turn	15	15	96.7%	16.3	B
	Subtotal	284	291	102.6%	16.0	B
WB	Left Turn	10	11	113.0%	13.4	B
	Through	957	918	95.9%	20.4	C
	Right Turn	84	77	91.1%	14.7	B
	Subtotal	1,051	1,006	95.7%	20.0	B
Total		1,380	1,337	96.9%	19.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	57	99.0%	31.8	C
	Through	380	388	102.2%	11.8	B
	Right Turn	12	12	97.5%	1.8	A
	Subtotal	450	457	101.6%	14.3	B
SB	Left Turn	171	167	97.8%	55.3	E
	Through	1,069	1,061	99.2%	76.0	E
	Right Turn	240	220	91.5%	303.9	F
	Subtotal	1,480	1,447	97.8%	108.5	F
EB	Left Turn	61	71	116.2%	33.0	C
	Through	122	122	99.6%	6.6	A
	Right Turn	65	64	98.6%	12.2	B
	Subtotal	248	257	103.4%	15.4	B
WB	Left Turn	49	47	96.1%	62.6	E
	Through	753	730	96.9%	28.2	C
	Right Turn	164	158	96.0%	5.3	A
	Subtotal	966	935	96.7%	26.5	C
Total		3,144	3,096	98.5%	61.4	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	80.0%	10.9	B
	Through	200	158	79.2%	17.7	B
	Right Turn	42	33	79.0%	8.5	A
	Subtotal	243	192	79.1%	16.4	B
SB	Left Turn	227	229	101.0%	19.4	B
	Through	493	493	99.9%	22.3	C
	Right Turn	544	540	99.2%	17.3	B
	Subtotal	1,264	1,262	99.8%	19.7	B
EB	Left Turn	68	69	100.7%	35.5	D
	Through	232	229	98.6%	18.2	B
	Right Turn	5	5	104.0%	17.8	B
	Subtotal	305	303	99.2%	22.7	C
WB	Left Turn					
	Through	421	394	93.5%	39.7	D
	Right Turn	185	177	95.5%	33.9	C
	Subtotal	606	570	94.1%	38.0	D
Total		2,418	2,327	96.2%	24.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	20	102.0%	7.9	A
	Through	609	559	91.8%	9.6	A
	Right Turn	164	152	92.4%	6.3	A
	Subtotal	793	731	92.2%	8.9	A
SB	Left Turn	61	57	94.1%	14.1	B
	Through	450	440	97.9%	10.5	B
	Right Turn	12	12	100.8%	4.6	A
	Subtotal	523	510	97.5%	10.7	B
EB	Left Turn	4	3	77.5%	14.1	B
	Through	4	3	62.5%	7.3	A
	Right Turn	6	6	101.7%	3.9	A
	Subtotal	14	12	83.6%	14.3	B
WB	Left Turn	123	125	101.9%	22.3	C
	Through	4	4	97.5%	18.1	B
	Right Turn	27	28	103.0%	5.3	A
	Subtotal	154	157	101.9%	19.3	B
Total		1,484	1,410	95.0%	10.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	208	219	105.1%	102.2	F
	Through	393	418	106.3%	27.8	C
	Right Turn	118	119	100.8%	6.9	A
	Subtotal	719	755	105.0%	46.8	D
SB	Left Turn	158	143	90.3%	43.8	D
	Through	418	393	94.1%	30.8	C
	Right Turn	33	33	100.3%	20.8	C
	Subtotal	609	569	93.4%	33.5	C
EB	Left Turn	57	58	101.1%	32.8	C
	Through	463	477	103.1%	31.5	C
	Right Turn	272	288	106.0%	17.5	B
	Subtotal	792	823	104.0%	26.7	C
WB	Left Turn	309	273	88.3%	25.2	C
	Through	1,264	1,085	85.8%	45.7	D
	Right Turn	339	285	84.2%	8.0	A
	Subtotal	1,912	1,643	85.9%	35.9	D
Total		4,032	3,791	94.0%	35.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	6	7	121.7%	74.0	E
	Through					
	Right Turn	8	8	100.0%	5.3	A
	Subtotal	14	15	109.3%	42.4	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	721	720	99.8%	1.5	A
	Right Turn	18	20	109.4%	5.7	A
	Subtotal	739	739	100.0%	1.7	A
WB	Left Turn	6	6	100.0%	76.0	E
	Through	1,902	1,615	84.9%	169.8	F
	Right Turn	32	25	77.2%	128.9	F
	Subtotal	1,940	1,646	84.8%	169.1	F
Total		2,693	2,400	89.1%	113.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	265	248	93.5%	149.1	F
	Through	501	501	99.9%	21.6	C
	Right Turn	90	89	99.2%	3.1	A
	Subtotal	856	838	97.9%	54.1	D
SB	Left Turn	26	20	76.5%	161.6	F
	Through	1,021	832	81.5%	165.9	F
	Right Turn	738	606	82.2%	379.8	F
	Subtotal	1,785	1,458	81.7%	261.7	F
EB	Left Turn	286	298	104.1%	57.4	E
	Through	265	263	99.1%	57.5	E
	Right Turn	178	166	93.4%	32.9	C
	Subtotal	729	727	99.7%	51.8	D
WB	Left Turn	305	272	89.2%	255.0	F
	Through	937	838	89.4%	271.3	F
	Right Turn	8	7	85.0%	276.0	F
	Subtotal	1,250	1,117	89.3%	267.2	F
Total		4,620	4,139	89.6%	178.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	9	83.6%	14.7	B
	Through	435	445	102.3%	6.8	A
	Right Turn					
	Subtotal	446	454	101.8%	7.0	A
SB	Left Turn					
	Through	1,180	1,145	97.0%	54.5	D
	Right Turn	3	3	90.0%	17.5	B
	Subtotal	1,183	1,147	97.0%	54.4	D
EB	Left Turn					
	Through					
	Right Turn	10	10	102.0%	9.8	A
	Subtotal	10	10	102.0%	9.8	A
WB	Left Turn	467	460	98.4%	111.1	F
	Through	16	15	93.1%	114.6	F
	Right Turn	15	12	82.7%	92.6	F
	Subtotal	498	487	97.8%	111.1	F
Total		2,137	2,099	98.2%	57.0	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 11 Hill/Ord Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	15	98.7%	11.0	B
	Through	276	302	109.3%	9.4	A
	Right Turn	22	23	102.7%	6.6	A
	Subtotal	313	339	108.3%	9.5	A
SB	Left Turn	42	46	110.0%	8.9	A
	Through	739	762	103.1%	9.2	A
	Right Turn	15	15	98.7%	11.0	B
	Subtotal	796	823	103.4%	9.3	A
EB	Left Turn	10	9	88.0%	18.1	B
	Through	76	73	96.4%	24.5	C
	Right Turn	10	10	99.0%	26.1	C
	Subtotal	96	92	95.8%	24.2	C
WB	Left Turn	46	45	97.0%	29.6	C
	Through	257	245	95.1%	28.2	C
	Right Turn	30	31	102.0%	8.8	A
	Subtotal	333	320	96.0%	26.7	C
Total		1,538	1,574	102.3%	13.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	63	89.0%	38.6	D
	Through	385	358	93.0%	5.7	A
	Right Turn	74	71	95.3%	11.9	B
	Subtotal	530	492	92.8%	11.1	B
SB	Left Turn	83	105	126.9%	23.7	C
	Through	1,244	1,243	99.9%	19.1	B
	Right Turn	144	137	94.8%	24.3	C
	Subtotal	1,471	1,485	100.9%	19.9	B
EB	Left Turn	9	10	106.7%	38.7	D
	Through	90	92	102.3%	35.1	D
	Right Turn	41	41	99.5%	24.4	C
	Subtotal	140	143	101.8%	32.3	C
WB	Left Turn	64	48	75.3%	56.9	E
	Through	118	96	81.4%	54.6	D
	Right Turn	38	39	103.7%	42.1	D
	Subtotal	220	184	83.5%	52.3	D
Total		2,361	2,303	97.5%	21.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	535	495	92.5%	1.5	A
	Right Turn	45	40	88.9%	2.1	A
	Subtotal	580	535	92.2%	1.5	A
SB	Left Turn	34	33	97.1%	12.1	B
	Through	1,466	1,396	95.2%	27.5	C
	Right Turn					
	Subtotal	1,500	1,429	95.3%	27.1	C
EB	Left Turn	204	203	99.6%	42.3	D
	Through	47	42	90.0%	37.8	D
	Right Turn	16	21	130.6%	39.1	D
	Subtotal	267	266	99.8%	41.2	D
WB	Left Turn	21	18	83.3%	51.0	D
	Through					
	Right Turn	8	8	98.8%	6.5	A
	Subtotal	29	25	87.6%	33.1	C
Total		2,376	2,256	94.9%	22.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	128	122	95.3%	34.1	C
	Through	337	310	91.9%	24.0	C
	Right Turn	123	117	95.0%	21.0	C
	Subtotal	588	549	93.3%	25.7	C
SB	Left Turn	136	136	99.7%	62.4	E
	Through	840	825	98.2%	48.8	D
	Right Turn	373	367	98.4%	35.0	D
	Subtotal	1,349	1,328	98.4%	46.3	D
EB	Left Turn	139	140	100.6%	41.5	D
	Through	767	779	101.6%	23.2	C
	Right Turn	112	108	96.8%	13.0	B
	Subtotal	1,018	1,027	100.9%	25.1	C
WB	Left Turn	139	126	90.6%	15.4	B
	Through	1,435	1,242	86.5%	12.8	B
	Right Turn	54	42	77.4%	4.2	A
	Subtotal	1,628	1,409	86.6%	12.8	B
Total		4,583	4,313	94.1%	27.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	3	4	133.3%	71.1	E
	Through	349	338	96.8%	109.0	F
	Right Turn	170	158	93.0%	100.7	F
	Subtotal	522	500	95.7%	106.3	F
EB	Left Turn					
	Through	714	724	101.5%	9.3	A
	Right Turn	312	323	103.4%	4.7	A
	Subtotal	1,026	1,047	102.1%	7.9	A
WB	Left Turn	233	235	100.9%	54.0	D
	Through	1,458	1,211	83.1%	51.6	D
	Right Turn	17	13	78.2%	17.2	B
	Subtotal	1,708	1,460	85.5%	51.7	D
Total		3,256	3,007	92.3%	45.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	146	134	91.9%	49.7	D
	Through	183	176	96.3%	56.2	E
	Right Turn	107	108	101.3%	80.0	F
	Subtotal	436	419	96.1%	59.7	E
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	70	72	103.1%	34.3	C
	Through	647	681	105.3%	7.9	A
	Right Turn					
	Subtotal	717	753	105.0%	10.4	B
WB	Left Turn					
	Through	1,546	1,301	84.2%	16.7	B
	Right Turn	14	18	130.0%	5.4	A
	Subtotal	1,560	1,319	84.6%	16.6	B
Total		2,713	2,491	91.8%	22.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	144	138	95.8%	163.8	F
	Through	483	455	94.1%	38.4	D
	Right Turn	212	210	98.9%	43.0	D
	Subtotal	839	802	95.6%	63.2	E
SB	Left Turn	99	101	101.7%	27.3	C
	Through	1,214	1,145	94.3%	38.7	D
	Right Turn	190	181	95.4%	8.7	A
	Subtotal	1,503	1,427	94.9%	34.2	C
EB	Left Turn	78	75	96.2%	20.7	C
	Through	549	595	108.4%	11.4	B
	Right Turn	127	128	101.0%	5.1	A
	Subtotal	754	798	105.9%	11.3	B
WB	Left Turn	164	142	86.8%	32.0	C
	Through	1,226	1,023	83.5%	64.3	E
	Right Turn	19	16	81.6%	43.8	D
	Subtotal	1,409	1,181	83.8%	60.3	E
Total		4,505	4,208	93.4%	42.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	14	3	24.3%	21.6	C
	Through					
	Right Turn	15	4	28.0%	13.0	B
	Subtotal	29	8	26.2%	22.9	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	777	819	105.5%	1.1	A
	Right Turn	83	83	100.1%	1.7	A
	Subtotal	860	903	104.9%	1.2	A
WB	Left Turn	75	61	80.9%	135.7	F
	Through	1,430	1,226	85.7%	173.9	F
	Right Turn					
	Subtotal	1,505	1,287	85.5%	172.2	F
Total		2,394	2,197	91.8%	99.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	797	752	94.4%	44.9	D
	Right Turn	27	22	81.1%	48.3	D
	Subtotal	824	774	94.0%	44.7	D
SB	Left Turn	61	68	110.8%	63.5	E
	Through	1,115	1,045	93.8%	24.4	C
	Right Turn	329	303	92.1%	31.3	C
	Subtotal	1,505	1,416	94.1%	27.8	C
EB	Left Turn					
	Through	56	49	86.8%	71.3	E
	Right Turn	20	18	91.0%	72.3	E
	Subtotal	76	67	87.9%	71.1	E
WB	Left Turn	99	92	92.9%	22.0	C
	Through	60	57	94.7%	23.8	C
	Right Turn	42	45	107.4%	35.5	D
	Subtotal	201	194	96.5%	26.0	C
Total		2,606	2,451	94.1%	34.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	466	497	106.7%	12.2	B
	Right Turn					
	Subtotal	466	497	106.7%	12.2	B
SB	Left Turn					
	Through	762	734	96.4%	15.1	B
	Right Turn					
	Subtotal	762	734	96.4%	15.1	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	365	297	81.4%	24.1	C
	Through					
	Right Turn	829	688	83.0%	12.7	B
	Subtotal	1,194	985	82.5%	16.1	B
Total		2,422	2,217	91.5%	14.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	877	721	82.2%	28.3	C
	Right Turn	35	30	86.3%	9.3	A
	Subtotal	912	751	82.3%	27.6	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	529	484	91.6%	17.7	B
	Through	1,159	957	82.6%	16.7	B
	Right Turn					
	Subtotal	1,688	1,441	85.4%	17.0	B
Total		2,600	2,192	84.3%	20.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	80	84	105.1%	1.4	A
	Through	355	362	102.1%	4.5	A
	Right Turn					
	Subtotal	435	446	102.6%	3.9	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	1,608	1,358	84.5%	4.2	A
	Right Turn	81	66	81.1%	5.8	A
	Subtotal	1,689	1,424	84.3%	4.2	A
Total		2,124	1,870	88.1%	4.1	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	88	83	94.3%	11.0	B
	Through	165	175	105.9%	6.4	A
	Right Turn					
	Subtotal	253	258	101.9%	8.0	A
SB	Left Turn					
	Through	347	322	92.8%	19.3	B
	Right Turn	38	34	88.7%	21.0	C
	Subtotal	385	356	92.4%	19.4	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	360	272	75.7%	11.6	B
	Through	1,563	1,306	83.5%	7.3	A
	Right Turn	71	55	77.7%	17.7	B
	Subtotal	1,994	1,633	81.9%	8.4	A
Total		2,632	2,247	85.4%	10.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	143	143	100.2%	30.3	C
	Through	949	924	97.4%	20.0	C
	Right Turn	50	87	174.4%	13.5	B
	Subtotal	1,142	1,154	101.1%	20.8	C
SB	Left Turn	13	37	283.8%	18.1	B
	Through	939	829	88.3%	14.1	B
	Right Turn	69	69	99.6%	10.3	B
	Subtotal	1,021	935	91.6%	14.0	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	484	376	77.6%	142.5	F
	Through	1,782	1,423	79.8%	132.8	F
	Right Turn	261	206	79.0%	149.2	F
	Subtotal	2,527	2,004	79.3%	136.5	F
Total		4,690	4,094	87.3%	75.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	93	91	98.1%	42.2	D
	Through	208	206	99.2%	26.5	C
	Right Turn	101	103	101.8%	6.3	A
	Subtotal	402	400	99.6%	24.3	C
SB	Left Turn	591	545	92.3%	65.7	E
	Through	275	260	94.4%	34.9	C
	Right Turn	353	261	74.0%	38.4	D
	Subtotal	1,219	1,066	87.4%	51.7	D
EB	Left Turn	235	277	118.0%	59.5	E
	Through					
	Right Turn					
	Subtotal	235	277	118.0%	59.5	E
WB	Left Turn	109	110	101.0%	35.5	D
	Through	149	171	115.0%	77.0	E
	Right Turn	373	376	100.8%	12.5	B
	Subtotal	631	658	104.2%	33.8	C
Total		2,487	2,401	96.5%	43.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 26 Broadway/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	331	363	109.6%	9.9	A
	Right Turn	83	85	102.9%	3.9	A
	Subtotal	414	448	108.3%	8.9	A
SB	Left Turn	144	134	92.9%	11.6	B
	Through	983	893	90.8%	8.0	A
	Right Turn					
	Subtotal	1,127	1,026	91.1%	8.4	A
EB	Left Turn	135	136	100.9%	24.2	C
	Through	279	277	99.4%	21.0	C
	Right Turn	163	172	105.3%	10.5	B
	Subtotal	577	585	101.4%	18.7	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,118	2,060	97.2%	11.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	171	151	88.4%	1.2	A
	Through	1,235	1,207	97.7%	4.9	A
	Right Turn					
	Subtotal	1,406	1,358	96.6%	4.5	A
EB	Left Turn					
	Through	309	301	97.5%	32.5	C
	Right Turn	197	192	97.6%	17.6	B
	Subtotal	506	494	97.6%	27.0	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,912	1,852	96.9%	10.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	388	404	104.0%	25.9	C
	Right Turn	217	215	98.8%	22.1	C
	Subtotal	605	618	102.2%	24.8	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	47	43	91.7%	8.5	A
	Through	433	445	102.7%	14.6	B
	Right Turn					
	Subtotal	480	488	101.6%	14.1	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,085	1,106	101.9%	20.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	234	239	102.1%	18.4	B
	Right Turn	85	148	173.8%	20.3	C
	Subtotal	379	387	102.0%	19.2	B
SB	Left Turn					
	Through	707	592	83.8%	11.7	B
	Right Turn					
	Subtotal	707	592	83.8%	11.7	B
EB	Left Turn	252	263	104.2%	25.8	C
	Through	222	249	112.3%	34.5	C
	Right Turn	157	148	94.1%	32.7	C
	Subtotal	650	659	101.4%	30.4	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,736	1,639	94.4%	21.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	877	860	98.1%	72.0	E
	Right Turn	158	167	105.9%	20.7	C
	Subtotal	1,035	1,028	99.3%	64.0	E
SB	Left Turn	200	165	82.5%	30.2	C
	Through	1,223	1,045	85.4%	15.3	B
	Right Turn					
	Subtotal	1,423	1,210	85.0%	17.3	B
EB	Left Turn	59	97	164.9%	30.0	C
	Through	66	70	105.8%	26.9	C
	Right Turn	157	149	94.6%	9.3	A
	Subtotal	282	316	111.9%	19.4	B
WB	Left Turn	149	141	94.7%	20.0	B
	Through					
	Right Turn	206	198	96.3%	31.8	C
	Subtotal	355	340	95.6%	27.5	C
Total		3,095	2,893	93.5%	34.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	13	11	86.9%	38.2	D
	Through	43	39	90.7%	33.4	C
	Right Turn	7	7	100.0%	9.3	A
	Subtotal	63	57	91.0%	30.1	C
SB	Left Turn	218	232	106.2%	31.8	C
	Through	63	65	103.3%	30.7	C
	Right Turn	200	196	97.9%	4.8	A
	Subtotal	481	492	102.4%	21.4	C
EB	Left Turn	271	256	94.5%	25.4	C
	Through	77	77	99.7%	21.2	C
	Right Turn	26	23	86.5%	8.7	A
	Subtotal	374	355	95.0%	23.4	C
WB	Left Turn	10	9	91.0%	30.0	C
	Through	122	113	92.2%	34.3	C
	Right Turn	176	172	97.8%	18.9	B
	Subtotal	308	294	95.4%	25.6	C
Total		1,226	1,199	97.8%	23.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 32 Broadway/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	130.0%	18.4	B
	Through	363	397	109.4%	8.7	A
	Right Turn					
	Subtotal	364	399	109.5%	8.9	A
SB	Left Turn	55	49	89.5%	6.6	A
	Through	1,028	954	92.8%	7.3	A
	Right Turn	63	68	107.5%	8.8	A
	Subtotal	1,146	1,071	93.4%	7.4	A
EB	Left Turn	25	26	102.8%	26.6	C
	Through	585	607	103.8%	20.1	C
	Right Turn	154	147	95.5%	16.9	B
	Subtotal	764	780	102.1%	19.8	B
WB	Left Turn	79	69	86.7%	21.7	C
	Through	973	921	94.6%	10.1	B
	Right Turn	26	25	94.2%	7.3	A
	Subtotal	1,078	1,014	94.0%	10.9	B
Total		3,352	3,263	97.3%	11.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	59	51	86.6%	22.3	C
	Through	1,172	1,165	99.4%	21.3	C
	Right Turn	201	185	91.9%	24.7	C
	Subtotal	1,432	1,401	97.8%	21.8	C
EB	Left Turn					
	Through	499	525	105.2%	23.8	C
	Right Turn	141	140	99.3%	32.2	C
	Subtotal	640	665	103.9%	25.5	C
WB	Left Turn	113	114	100.5%	16.1	B
	Through	877	854	97.3%	16.0	B
	Right Turn					
	Subtotal	990	967	97.7%	16.0	B
Total		3,062	3,033	99.0%	20.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand	Served Volume (vph)		Total Delay (sec/veh)	
		Volume (vph)	Average	Percent	Average	LOS
NB	Left Turn	120	122	101.5%	19.5	B
	Through	457	477	104.3%	19.3	B
	Right Turn	174	180	103.3%	16.9	B
	Subtotal	751	778	103.6%	18.9	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	60	59	98.2%	11.2	B
	Through	498	515	103.4%	18.1	B
	Right Turn					
	Subtotal	558	574	102.9%	17.5	B
WB	Left Turn					
	Through	870	840	96.5%	14.0	B
	Right Turn	88	83	94.8%	13.7	B
	Subtotal	958	923	96.3%	14.0	B
Total		2,267	2,218	97.8%	21.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	75	99.7%	31.3	C
	Through	231	231	100.0%	14.3	B
	Right Turn	60	65	107.8%	15.6	B
	Subtotal	366	370	101.2%	17.8	B
SB	Left Turn	175	153	87.4%	32.9	C
	Through	872	782	89.7%	27.0	C
	Right Turn	86	80	93.0%	31.1	C
	Subtotal	1,133	1,015	89.6%	28.1	C
EB	Left Turn	31	46	149.0%	75.3	E
	Through	400	418	104.5%	23.8	C
	Right Turn	241	228	94.5%	23.5	C
	Subtotal	672	692	103.0%	27.5	C
WB	Left Turn	109	101	92.9%	44.9	D
	Through	797	767	96.2%	64.0	E
	Right Turn	117	109	93.4%	64.2	E
	Subtotal	1,023	978	95.6%	62.0	E
Total		3,194	3,055	95.6%	37.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	76	78	102.9%	27.1	C
	Through					
	Right Turn	42	53	125.0%	16.3	B
	Subtotal	118	131	110.8%	22.7	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	369	378	102.4%	10.2	B
	Right Turn	266	254	95.6%	13.5	B
	Subtotal	635	632	99.5%	11.5	B
WB	Left Turn	149	158	106.2%	17.9	B
	Through	947	901	95.1%	19.5	B
	Right Turn					
	Subtotal	1,096	1,059	96.6%	19.4	B
Total		1,849	1,822	98.5%	17.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	240	244	101.8%	37.8	D
	Through	871	864	99.2%	49.4	D
	Second Right					
	Subtotal	1,111	1,108	99.7%	46.7	D
SB	Left Turn	67	57	84.8%	43.0	D
	Through	970	851	87.7%	31.8	C
	Second Right					
	Subtotal	1,529	1,336	87.3%	26.0	C
EB	Left Turn	95	96	101.4%	21.3	C
	Through	186	207	111.4%	22.9	C
	Second Right					
	Subtotal	411	429	104.4%	26.9	C
WB	Left Turn	28	27	95.4%	75.3	E
	Through	364	394	108.2%	77.6	E
	Second Right					
	Subtotal	461	492	106.6%	78.5	E
Total		3,512	3,364	95.8%	40.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	346	339	98.0%	15.1	B
	Right Turn					
	Subtotal	346	339	98.0%	15.1	B
SB	Left Turn	51	47	91.8%	21.7	C
	Through	1,017	924	90.8%	19.2	B
	Right Turn	154	141	91.7%	9.5	A
	Subtotal	1,222	1,112	91.0%	18.0	B
EB	Left Turn	10	19	186.0%	25.0	C
	Through	513	529	103.2%	14.6	B
	Right Turn	93	99	106.1%	7.6	A
	Subtotal	616	647	105.0%	13.9	B
WB	Left Turn	46	35	75.2%	21.0	C
	Through	787	787	100.0%	13.8	B
	Right Turn	10	10	97.0%	2.9	A
	Subtotal	843	831	98.6%	14.0	B
Total		3,027	2,929	96.8%	15.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	23	152.0%	35.9	D
	Through	98	100	102.3%	19.6	B
	Right Turn	21	20	92.9%	6.2	A
	Subtotal	134	143	106.4%	20.8	C
SB	Left Turn	15	13	84.0%	24.1	C
	Through	379	365	96.4%	21.5	C
	Right Turn	21	36	171.4%	34.3	C
	Subtotal	415	414	99.7%	22.7	C
EB	Left Turn	10	22	224.0%	30.7	C
	Through	539	540	100.2%	6.8	A
	Right Turn	15	16	103.3%	4.4	A
	Subtotal	564	578	102.5%	7.7	A
WB	Left Turn	33	30	90.0%	27.5	C
	Through	807	786	97.4%	20.1	C
	Right Turn	10	8	83.0%	9.9	A
	Subtotal	850	824	96.9%	20.3	C
Total		1,963	1,958	99.8%	17.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	147	95.5%	22.4	C
	Through					
	Right Turn	12	12	100.8%	5.8	A
	Subtotal	166	159	95.8%	21.1	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	472	489	103.6%	18.0	B
	Right Turn	103	104	101.2%	12.7	B
	Subtotal	575	593	103.1%	17.1	B
WB	Left Turn	26	23	86.9%	16.1	B
	Through	696	696	100.0%	9.6	A
	Right Turn					
	Subtotal	722	719	99.5%	9.8	A
Total		1,463	1,471	100.5%	14.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
AM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	4	4	102.5%	20.0	B
	Through	1,053	1,056	100.3%	39.3	D
	Right Turn	50	53	105.2%	19.1	B
	Subtotal	1,107	1,113	100.5%	38.4	D
SB	Left Turn	24	22	92.1%	40.0	D
	Through	913	810	88.7%	13.9	B
	Right Turn	191	168	87.9%	17.2	B
	Subtotal	1,128	1,000	88.6%	15.0	B
EB	Left Turn	31	30	96.8%	17.4	B
	Through	402	422	105.0%	12.5	B
	Right Turn	51	50	98.6%	11.4	B
	Subtotal	484	502	103.8%	12.7	B
WB	Left Turn					
	Through	527	544	103.1%	28.1	C
	Right Turn	27	29	106.3%	17.0	B
	Subtotal	554	572	103.3%	27.5	C
Total		3,273	3,187	97.4%	25.1	C

PM ALTERNATIVE 1

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	32	33	101.6%	19.0	B
	Through	665	691	103.9%	16.8	B
	Right Turn	67	70	104.2%	15.3	B
	Subtotal	764	794	103.9%	16.8	B
SB	Left Turn	15	14	91.3%	7.7	A
	Through	435	461	106.0%	9.3	A
	Right Turn	26	25	97.7%	9.9	A
	Subtotal	476	500	105.0%	9.4	A
EB	Left Turn	47	47	100.0%	23.0	C
	Through	293	294	100.2%	17.5	B
	Right Turn	16	15	93.1%	10.3	B
	Subtotal	356	356	99.9%	17.8	B
WB	Left Turn	32	29	90.6%	32.0	C
	Through	340	313	91.9%	29.9	C
	Right Turn	82	75	91.3%	23.1	C
	Subtotal	454	416	91.7%	28.8	C
Total		2,050	2,065	100.8%	17.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 2 Broadway/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	47	81.7%	19.5	B
	Through	1,180	1,087	92.1%	21.4	C
	Right Turn	100	100	100.4%	23.4	C
	Subtotal	1,338	1,235	92.3%	21.5	C
SB	Left Turn	55	55	99.6%	21.2	C
	Through	649	691	106.5%	13.0	B
	Right Turn	48	48	100.0%	11.4	B
	Subtotal	752	794	105.6%	13.4	B
EB	Left Turn	79	81	102.9%	20.9	C
	Through	254	257	101.2%	9.1	A
	Right Turn	42	41	97.1%	6.3	A
	Subtotal	375	379	101.1%	11.6	B
WB	Left Turn	52	59	113.3%	29.6	C
	Through	348	324	93.2%	27.8	C
	Right Turn	254	244	96.2%	28.4	C
	Subtotal	654	627	95.9%	28.3	C
Total		3,119	3,036	97.3%	19.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	7	5	72.9%	28.8	C
	Through					
	Right Turn	102	72	70.9%	64.1	E
	Subtotal	109	77	71.0%	62.0	E
SB	Left Turn	17	17	98.2%	35.1	D
	Through	29	28	96.6%	41.0	D
	Right Turn	8	9	116.3%	20.8	C
	Subtotal	54	54	100.0%	37.4	D
EB	Left Turn	10	12	115.0%	20.9	C
	Through	390	389	99.8%	19.8	B
	Right Turn	15	13	84.7%	19.5	B
	Subtotal	415	413	99.6%	19.7	B
WB	Left Turn	7	6	82.9%	21.5	C
	Through	646	609	94.3%	11.5	B
	Right Turn	13	11	86.9%	8.0	A
	Subtotal	666	627	94.1%	11.6	B
Total		1,244	1,171	94.1%	18.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	179	164	91.5%	16.9	B
	Through	1,066	1,007	94.5%	12.3	B
	Right Turn	49	49	100.8%	11.8	B
	Subtotal	1,294	1,221	94.3%	13.0	B
SB	Left Turn	116	116	100.2%	50.3	D
	Through	500	509	101.7%	13.4	B
	Right Turn	57	68	118.9%	9.7	A
	Subtotal	673	693	102.9%	19.1	B
EB	Left Turn	102	105	102.7%	16.7	B
	Through	335	324	96.8%	20.9	C
	Right Turn	72	70	97.8%	7.8	A
	Subtotal	509	500	98.1%	18.0	B
WB	Left Turn	55	51	93.3%	26.4	C
	Through	430	394	91.7%	20.6	C
	Right Turn	393	367	93.3%	11.3	B
	Subtotal	878	812	92.5%	16.8	B
Total		3,354	3,225	96.1%	16.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	5	4	74.0%	30.5	C
	Through	657	525	79.9%	25.0	C
	Right Turn	35	28	79.4%	22.0	C
	Subtotal	697	556	79.8%	25.0	C
SB	Left Turn	201	201	100.0%	35.1	D
	Through	275	272	98.8%	21.7	C
	Right Turn	186	186	99.8%	13.5	B
	Subtotal	662	658	99.4%	23.3	C
EB	Left Turn	228	224	98.2%	67.3	E
	Through	271	264	97.3%	21.1	C
	Right Turn	1	1	110.0%	3.5	A
	Subtotal	500	489	97.7%	42.2	D
WB	Left Turn					
	Through	687	621	90.4%	37.4	D
	Right Turn	370	340	91.8%	46.0	D
	Subtotal	1,057	961	90.9%	40.5	D
Total		2,916	2,664	91.4%	33.7	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	31	27	86.8%	14.9	B
	Through	980	866	88.4%	13.3	B
	Right Turn	57	52	90.4%	6.4	A
	Subtotal	1,068	945	88.5%	13.0	B
SB	Left Turn	27	27	100.4%	18.4	B
	Through	463	449	97.0%	9.5	A
	Right Turn	5	5	92.0%	1.8	A
	Subtotal	495	481	97.1%	10.0	A
EB	Left Turn	11	12	110.9%	12.5	B
	Through	5	6	110.0%	8.9	A
	Right Turn	20	21	104.5%	5.6	A
	Subtotal	36	39	107.2%	8.6	A
WB	Left Turn	263	256	97.5%	21.9	C
	Through	6	7	108.3%	13.1	B
	Right Turn	81	76	94.3%	6.3	A
	Subtotal	350	339	96.9%	18.1	B
Total		1,949	1,803	92.5%	13.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	319	274	85.8%	217.8	F
	Through	719	669	93.1%	52.8	D
	Right Turn	208	196	94.3%	20.4	C
	Subtotal	1,246	1,139	91.4%	84.7	F
SB	Left Turn	296	269	91.0%	43.1	D
	Through	426	395	92.8%	37.1	D
	Right Turn	62	55	89.0%	29.2	C
	Subtotal	784	720	91.8%	38.9	D
EB	Left Turn	45	42	94.2%	40.1	D
	Through	948	877	92.5%	47.0	D
	Right Turn	299	298	99.6%	24.4	C
	Subtotal	1,292	1,217	94.2%	41.5	D
WB	Left Turn	198	189	95.2%	44.2	D
	Through	878	761	86.7%	76.1	E
	Right Turn	304	260	85.7%	6.4	A
	Subtotal	1,380	1,210	87.7%	56.7	E
Total		4,702	4,286	91.1%	55.9	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	3	3	100.0%	28.2	C
	Through					
	Right Turn	4	4	102.5%	2.7	A
	Subtotal	7	7	101.4%	15.5	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,450	1,341	92.5%	1.7	A
	Right Turn	2	2	110.0%	3.1	A
	Subtotal	1,452	1,343	92.5%	1.7	A
WB	Left Turn	14	0	0.0%	0.0	A
	Through	1,377	1,196	86.8%	254.8	F
	Right Turn	7	0	0.0%	0.0	A
	Subtotal	1,398	1,196	85.5%	249.6	F
Total		2,857	2,546	89.1%	108.0	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	348	239	68.7%	879.3	F
	Through	581	472	81.2%	87.0	F
	Right Turn	83	70	84.7%	66.2	E
	Subtotal	1,012	781	77.2%	350.0	F
SB	Left Turn	46	45	98.3%	41.6	D
	Through	476	474	99.7%	47.5	D
	Right Turn	366	387	105.8%	105.8	F
	Subtotal	888	907	102.1%	70.7	E
EB	Left Turn	445	427	95.9%	44.7	D
	Through	663	603	90.9%	47.1	D
	Right Turn	346	308	89.0%	37.9	D
	Subtotal	1,454	1,338	92.0%	44.2	D
WB	Left Turn	172	163	94.7%	105.4	F
	Through	684	659	96.4%	131.6	F
	Right Turn	27	25	94.1%	127.1	F
	Subtotal	883	848	96.0%	126.0	F
Total		4,237	3,873	91.4%	107.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 10 Alameda/Hambra Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,279	1,205	94.2%	11.3	B
	Right Turn					
	Subtotal	1,279	1,205	94.2%	11.3	B
SB	Left Turn					
	Through	622	623	100.1%	3.7	A
	Right Turn	5	5	98.0%	1.5	A
	Subtotal	627	628	100.1%	3.7	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	260	258	99.3%	44.7	D
	Through	1	1	70.0%	9.9	A
	Right Turn	15	15	99.3%	35.5	D
	Subtotal	276	274	99.2%	44.2	D
Total		2,182	2,107	96.5%	13.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 11		Hill/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	21	22	105.2%	17.5	B
	Through	655	676	103.2%	13.9	B
	Right Turn	64	66	102.3%	13.3	B
	Subtotal	740	764	103.2%	13.9	B
SB	Left Turn	51	50	97.8%	22.0	C
	Through	411	427	103.9%	9.4	A
	Right Turn	21	23	107.1%	10.8	B
	Subtotal	483	499	103.4%	10.8	B
EB	Left Turn	15	18	118.0%	19.8	B
	Through	213	212	99.7%	21.7	C
	Right Turn	31	33	107.1%	18.6	B
	Subtotal	259	263	101.7%	21.1	C
WB	Left Turn	30	28	94.3%	15.3	B
	Through	185	180	97.2%	15.6	B
	Right Turn	94	91	96.4%	5.0	A
	Subtotal	309	299	96.7%	12.8	B
Total		1,791	1,825	101.9%	13.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	119	114	95.5%	36.0	D
	Through	1,086	982	90.4%	23.0	C
	Second Right					
	Subtotal	1,270	1,155	90.9%	25.3	C
SB	Left Turn	61	86	141.3%	53.3	D
	Through	636	652	102.5%	14.3	B
	Second Right					
	Subtotal	743	786	105.8%	19.1	B
EB	Left Turn	121	120	99.5%	26.4	C
	Through	124	119	96.0%	35.7	D
	Second Right					
	Subtotal	328	323	98.5%	28.3	C
WB	Left Turn	39	28	71.8%	87.6	F
	Through	144	107	74.2%	44.7	D
	Second Right					
	Subtotal	314	241	76.9%	49.2	D
Total		2,655	2,505	94.4%	25.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	946	876	92.6%	9.3	A
	Right Turn	13	13	99.2%	6.1	A
	Subtotal	959	889	92.7%	9.2	A
SB	Left Turn	16	15	93.8%	32.1	C
	Through	882	864	98.0%	35.5	D
	Right Turn					
	Subtotal	898	879	97.9%	35.4	D
EB	Left Turn	1,057	913	86.4%	36.5	D
	Through	23	19	84.3%	30.8	C
	Right Turn	37	34	92.4%	27.0	C
	Subtotal	1,117	967	86.5%	36.1	D
WB	Left Turn	42	36	84.5%	49.0	D
	Through					
	Right Turn	73	71	96.8%	10.9	B
	Subtotal	115	106	92.3%	24.0	C
Total		3,089	2,841	92.0%	26.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	192	185	96.1%	43.2	D
	Through	901	856	95.0%	48.4	D
	Right Turn	182	172	94.4%	91.7	F
	Subtotal	1,275	1,212	95.1%	54.7	D
SB	Left Turn	112	109	97.5%	121.3	F
	Through	443	443	99.9%	26.7	C
	Right Turn	203	206	101.6%	11.6	B
	Subtotal	758	758	100.0%	37.3	D
EB	Left Turn	210	176	83.7%	217.8	F
	Through	1,055	699	66.3%	220.2	F
	Right Turn	64	53	82.2%	119.8	F
	Subtotal	1,329	928	69.8%	214.7	F
WB	Left Turn	139	116	83.5%	54.5	D
	Through	1,203	983	81.7%	18.8	B
	Right Turn	159	132	83.2%	7.4	A
	Subtotal	1,501	1,232	82.1%	21.1	C
Total		4,863	4,129	84.9%	74.4	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	30	28	91.7%	52.0	D
	Through	99	97	97.9%	45.4	D
	Right Turn	72	69	95.7%	33.7	C
	Subtotal	201	193	96.2%	42.1	D
EB	Left Turn					
	Through	1,126	987	87.7%	19.5	B
	Right Turn	223	205	91.7%	4.9	A
	Subtotal	1,349	1,192	88.3%	17.0	B
WB	Left Turn	179	182	101.9%	61.0	E
	Through	1,429	1,140	79.7%	53.6	D
	Right Turn	100	79	79.4%	19.3	B
	Subtotal	1,708	1,401	82.0%	52.6	D
Total		3,258	2,786	85.5%	36.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	427	328	76.9%	148.9	F
	Through	989	848	85.8%	213.0	F
	Right Turn	278	248	89.4%	206.4	F
	Subtotal	1,694	1,425	84.1%	196.1	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	105	94	89.5%	97.7	F
	Through	1,051	935	89.0%	59.2	E
	Right Turn					
	Subtotal	1,156	1,029	89.0%	62.8	E
WB	Left Turn					
	Through	1,296	1,034	79.8%	31.4	C
	Right Turn	23	21	92.6%	13.3	B
	Subtotal	1,319	1,056	80.0%	31.0	C
Total		4,169	3,510	84.2%	109.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	113	106	93.5%	223.9	F
	Through	693	676	97.5%	46.3	D
	Right Turn	181	190	104.9%	48.8	D
	Subtotal	987	972	98.4%	64.7	E
SB	Left Turn	100	104	103.9%	26.7	C
	Through	699	669	95.7%	46.6	D
	Right Turn	162	155	95.9%	16.5	B
	Subtotal	961	928	96.6%	39.5	D
EB	Left Turn	150	131	87.3%	94.9	F
	Through	969	883	91.1%	19.2	B
	Right Turn	210	182	86.7%	5.1	A
	Subtotal	1,329	1,196	90.0%	26.0	C
WB	Left Turn	173	139	80.2%	45.4	D
	Through	1,044	817	78.2%	79.5	E
	Right Turn	116	83	71.9%	59.0	E
	Subtotal	1,333	1,039	77.9%	73.4	E
Total		4,610	4,134	89.7%	49.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	3	3.8%	8.8	A
	Through					
	Right Turn	129	5	3.6%	46.1	D
	Subtotal	200	7	3.7%	46.9	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,163	1,010	86.8%	246.3	F
	Right Turn	87	19	21.7%	214.8	F
	Subtotal	1,250	1,028	82.3%	245.6	F
WB	Left Turn	22	80	363.2%	2.3	A
	Through	1,237	1,094	88.5%	2.5	A
	Right Turn					
	Subtotal	1,259	1,174	93.3%	2.5	A
Total		2,709	2,210	81.6%	105.8	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 19 Alameda/Los Angeles Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	890	862	96.8%	31.3	C
	Right Turn	15	13	88.0%	24.9	C
	Subtotal	905	875	96.7%	31.1	C
SB	Left Turn	72	75	104.6%	61.6	E
	Through	836	759	90.8%	17.9	B
	Right Turn	174	153	87.8%	24.5	C
	Subtotal	1,082	987	91.2%	22.7	C
EB	Left Turn					
	Through	94	87	92.2%	39.0	D
	Right Turn	110	108	97.8%	35.8	D
	Subtotal	204	194	95.2%	37.2	D
WB	Left Turn	141	143	101.3%	25.2	C
	Through	62	58	93.4%	21.3	C
	Right Turn	97	102	105.3%	43.1	D
	Subtotal	300	303	101.0%	30.4	C
Total		2,491	2,359	94.7%	27.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,084	1,073	99.0%	8.7	A
	Right Turn					
	Subtotal	1,084	1,073	99.0%	8.7	A
SB	Left Turn					
	Through	508	479	94.4%	16.7	B
	Right Turn					
	Subtotal	508	479	94.4%	16.7	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	205	187	91.2%	45.5	D
	Through					
	Right Turn	650	594	91.3%	25.9	C
	Subtotal	855	781	91.3%	30.9	C
Total		2,447	2,333	95.3%	17.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	451	346	76.7%	43.3	D
	Right Turn	103	90	86.9%	11.5	B
	Subtotal	554	436	78.6%	36.6	D
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	213	245	114.9%	67.6	E
	Through	752	694	92.3%	30.8	C
	Right Turn					
	Subtotal	965	939	97.3%	41.1	D
Total		1,519	1,374	90.5%	39.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	274	261	95.4%	8.7	A
	Through	1,433	1,299	90.6%	13.2	B
	Right Turn					
	Subtotal	1,707	1,560	91.4%	12.3	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	691	683	98.9%	29.5	C
	Right Turn	93	85	91.1%	34.6	C
	Subtotal	784	768	97.9%	30.1	C
Total		2,491	2,328	93.5%	18.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	190	184	96.8%	7.2	A
	Through	638	627	98.2%	5.8	A
	Right Turn					
	Subtotal	828	811	97.9%	6.0	A
SB	Left Turn					
	Through	155	141	91.2%	5.9	A
	Right Turn	39	34	87.7%	9.8	A
	Subtotal	194	176	90.5%	6.8	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	104	91	87.4%	39.5	D
	Through	555	558	100.6%	39.8	D
	Right Turn	53	49	93.0%	41.9	D
	Subtotal	712	698	98.1%	39.9	D
Total		1,734	1,685	97.2%	19.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	22	31	140.5%	4.5	A
	Through	794	792	99.7%	5.3	A
	Right Turn	1,217	1,142	93.9%	5.7	A
	Subtotal	2,033	1,965	96.6%	5.6	A
SB	Left Turn	169	156	92.2%	57.6	E
	Through	676	604	89.3%	28.5	C
	Right Turn	30	37	123.0%	14.9	B
	Subtotal	875	796	91.0%	33.8	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	253	229	90.6%	234.9	F
	Through	660	638	96.7%	244.1	F
	Right Turn	276	249	90.2%	297.6	F
	Subtotal	1,189	1,116	93.9%	254.6	F
Total		4,097	3,877	94.6%	86.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	102	101	99.3%	39.1	D
	Through	393	379	96.3%	53.5	D
	Right Turn	79	82	104.1%	6.7	A
	Subtotal	574	562	97.9%	43.4	D
SB	Left Turn	520	516	99.3%	53.1	D
	Through	287	320	111.6%	33.2	C
	Right Turn	284	221	78.0%	31.6	C
	Subtotal	1,091	1,058	96.9%	42.6	D
EB	Left Turn	297	294	98.9%	99.2	F
	Through					
	Right Turn					
	Subtotal	297	294	98.9%	99.2	F
WB	Left Turn	204	182	89.3%	119.6	F
	Through	156	165	105.8%	166.3	F
	Right Turn	507	455	89.8%	182.5	F
	Subtotal	867	802	92.5%	167.4	F
Total		2,829	2,716	96.0%	79.3	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 26 Broadway/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	936	933	99.7%	21.2	C
	Right Turn	166	155	93.3%	68.7	E
	Subtotal	1,102	1,088	98.8%	27.6	C
SB	Left Turn	102	92	90.0%	76.2	E
	Through	611	572	93.5%	10.1	B
	Right Turn					
	Subtotal	713	663	93.0%	18.5	B
EB	Left Turn	148	141	95.4%	71.3	E
	Through	418	408	97.6%	78.9	E
	Right Turn	46	52	113.9%	30.6	C
	Subtotal	612	602	98.3%	73.0	E
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,427	2,353	97.0%	36.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	113	93	82.5%	106.2	F
	Through	551	588	106.7%	27.2	C
	Right Turn					
	Subtotal	664	681	102.6%	38.3	D
EB	Left Turn					
	Through	604	566	93.6%	102.1	F
	Right Turn	82	76	92.6%	381.5	F
	Subtotal	686	642	93.5%	122.3	F
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,350	1,323	98.0%	78.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,613	1,483	91.9%	79.5	E
	Right Turn	161	143	89.1%	86.4	F
	Subtotal	1,774	1,626	91.7%	80.3	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	94	82	87.6%	87.3	F
	Through	623	557	89.4%	150.4	F
	Right Turn					
	Subtotal	717	639	89.2%	142.7	F
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,491	2,265	90.9%	98.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	811	797	98.2%	27.3	C
	Right Turn	313	475	151.6%	58.4	E
	Subtotal	1,302	1,271	97.6%	39.2	D
SB	Left Turn					
	Through	259	233	90.0%	6.8	A
	Right Turn					
	Subtotal	259	233	90.0%	6.8	A
EB	Left Turn	477	435	91.3%	140.7	F
	Through	266	268	100.7%	74.3	E
	Right Turn	24	21	88.8%	74.3	E
	Subtotal	784	724	92.4%	114.3	F
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,345	2,229	95.0%	59.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,496	1,433	95.8%	26.7	C
	Right Turn	127	135	106.0%	8.4	A
	Subtotal	1,623	1,567	96.6%	25.2	C
SB	Left Turn	167	150	89.6%	157.5	F
	Through	762	683	89.6%	12.0	B
	Right Turn					
	Subtotal	929	833	89.6%	38.9	D
EB	Left Turn	366	366	99.9%	113.2	F
	Through	47	44	93.8%	42.4	D
	Right Turn	31	30	95.5%	6.5	A
	Subtotal	444	439	98.9%	98.0	F
WB	Left Turn	93	91	97.7%	63.8	E
	Through					
	Right Turn	171	167	97.7%	191.0	F
	Subtotal	264	258	97.7%	142.5	F
Total		3,260	3,097	95.0%	49.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	37	102.2%	31.6	C
	Through	435	431	99.0%	31.8	C
	Right Turn	25	27	107.2%	22.6	C
	Subtotal	496	494	99.7%	31.4	C
SB	Left Turn	130	138	106.0%	44.2	D
	Through	25	24	96.0%	38.3	D
	Right Turn	181	179	99.1%	5.1	A
	Subtotal	336	341	101.5%	22.7	C
EB	Left Turn	321	310	96.5%	41.0	D
	Through	66	65	97.9%	24.1	C
	Right Turn	11	10	88.2%	10.8	B
	Subtotal	398	384	96.5%	37.6	D
WB	Left Turn	1	1	130.0%	5.2	A
	Through	45	46	102.9%	55.1	E
	Right Turn	345	347	100.6%	28.2	C
	Subtotal	391	395	101.0%	31.6	C
Total		1,621	1,614	99.6%	31.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 32 Broadway/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	20	102.0%	37.8	D
	Through	790	816	103.3%	13.6	B
	Right Turn	72	70	96.5%	18.0	B
	Subtotal	882	906	102.8%	14.6	B
SB	Left Turn	45	44	98.4%	13.2	B
	Through	567	529	93.2%	3.7	A
	Right Turn	45	52	114.9%	5.9	A
	Subtotal	657	625	95.1%	4.4	A
EB	Left Turn	69	68	99.1%	71.7	E
	Through	765	779	101.8%	58.9	E
	Right Turn	21	21	99.0%	48.7	D
	Subtotal	855	868	101.5%	59.6	E
WB	Left Turn	97	84	86.8%	66.9	E
	Through	763	728	95.5%	14.0	B
	Right Turn	243	220	90.6%	14.7	B
	Subtotal	1,103	1,033	93.6%	19.0	B
Total		3,497	3,431	98.1%	26.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 33

Spring/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	58	54	93.3%	84.0	F
	Through	466	514	110.4%	53.4	D
	Right Turn	109	97	89.2%	32.6	C
	Subtotal	633	666	105.2%	53.2	D
EB	Left Turn					
	Through	820	830	101.2%	43.1	D
	Right Turn	62	60	96.5%	41.0	D
	Subtotal	882	890	100.9%	43.0	D
WB	Left Turn	49	53	108.2%	9.9	A
	Through	994	949	95.5%	6.3	A
	Right Turn					
	Subtotal	1,043	1,002	96.1%	6.6	A
Total		2,558	2,557	100.0%	31.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	278	270	96.9%	152.7	F
	Through	1,483	1,376	92.8%	203.1	F
	Right Turn	136	129	94.9%	183.1	F
	Subtotal	1,897	1,775	93.6%	193.9	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	90	89	98.6%	67.4	E
	Through	788	793	100.6%	71.6	E
	Right Turn					
	Subtotal	878	882	100.4%	71.6	E
WB	Left Turn					
	Through	765	733	95.8%	28.0	C
	Right Turn	201	189	94.1%	41.5	D
	Subtotal	966	922	95.4%	30.8	C
Total		3,741	3,578	95.6%	119.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	172	169	98.2%	67.0	E
	Through	897	871	97.1%	50.2	D
	Right Turn	82	78	95.0%	45.6	D
	Subtotal	1,151	1,118	97.1%	52.5	D
SB	Left Turn	97	92	94.5%	33.3	C
	Through	388	374	96.4%	29.4	C
	Right Turn	342	324	94.6%	63.7	E
	Subtotal	827	789	95.4%	43.9	D
EB	Left Turn	134	147	109.4%	60.5	E
	Through	674	666	98.9%	32.6	C
	Right Turn	116	108	92.8%	28.5	C
	Subtotal	924	921	99.6%	36.2	D
WB	Left Turn	71	67	93.7%	42.9	D
	Through	452	435	96.2%	64.4	E
	Right Turn	271	260	95.9%	54.0	D
	Subtotal	794	761	95.8%	59.4	E
Total		3,696	3,588	97.1%	47.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 36

San Pedro/Temple

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	166	162	97.8%	40.1	D
	Through					
	Right Turn	223	243	108.9%	37.5	D
	Subtotal	389	405	104.2%	38.6	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	822	811	98.6%	19.3	B
	Right Turn	31	26	83.9%	18.5	B
	Subtotal	853	837	98.1%	19.3	B
WB	Left Turn	39	51	131.3%	18.2	B
	Through	628	612	97.5%	7.6	A
	Right Turn					
	Subtotal	667	664	99.5%	8.6	A
Total		1,909	1,905	99.8%	19.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	142	139	98.2%	26.0	C
	Through	1,254	1,200	95.7%	30.2	C
	Second Right					
	Subtotal	1,396	1,339	95.9%	29.8	C
SB	Left Turn	47	37	79.6%	34.8	C
	Through	663	538	81.1%	8.7	A
	Second Right					
	Subtotal	985	800	81.2%	9.8	A
EB	Left Turn	235	243	103.2%	43.5	D
	Through	576	582	101.1%	35.2	D
	Second Right					
	Subtotal	1,045	1,054	100.9%	38.4	D
WB	Left Turn	32	31	95.6%	96.4	F
	Through	250	272	108.8%	71.1	E
	Second Right					
	Subtotal	416	442	106.2%	76.8	E
Total		3,842	3,634	94.6%	34.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	34	95.3%	40.6	D
	Through	976	977	100.1%	46.6	D
	Right Turn	62	64	103.4%	46.4	D
	Subtotal	1,074	1,075	100.1%	46.5	D
SB	Left Turn	44	36	81.8%	30.7	C
	Through	510	493	96.6%	17.3	B
	Right Turn	21	20	93.8%	4.3	A
	Subtotal	575	548	95.3%	17.9	B
EB	Left Turn	62	35	55.8%	47.6	D
	Through	854	726	85.0%	90.8	F
	Right Turn	51	37	73.3%	59.4	E
	Subtotal	967	798	82.5%	87.4	F
WB	Left Turn	15	14	91.3%	45.5	D
	Through	504	524	103.9%	22.3	C
	Right Turn	113	108	95.9%	9.6	A
	Subtotal	632	646	102.2%	20.7	C
Total		3,248	3,067	94.4%	46.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	20	195.0%	34.8	C
	Through	302	305	100.8%	32.3	C
	Right Turn	44	47	105.7%	30.3	C
	Subtotal	356	371	104.1%	32.5	C
SB	Left Turn	15	13	89.3%	43.4	D
	Through	40	34	85.3%	22.5	C
	Right Turn	15	30	200.7%	42.8	D
	Subtotal	70	78	110.9%	34.4	C
EB	Left Turn	15	30	199.3%	23.0	C
	Through	926	798	86.2%	33.4	C
	Right Turn	19	16	85.3%	5.0	A
	Subtotal	960	844	87.9%	32.5	C
WB	Left Turn	31	30	96.5%	20.2	C
	Through	607	599	98.6%	10.1	B
	Right Turn	72	71	99.0%	8.9	A
	Subtotal	710	700	98.6%	10.4	B
Total		2,096	1,992	95.1%	24.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	150	97.4%	36.9	D
	Through					
	Right Turn	22	23	105.0%	49.0	D
	Subtotal	176	173	98.4%	38.5	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	970	860	88.7%	53.1	D
	Right Turn	15	13	89.3%	37.9	D
	Subtotal	985	874	88.7%	52.9	D
WB	Left Turn	16	14	88.8%	15.5	B
	Through	556	565	101.5%	3.6	A
	Right Turn					
	Subtotal	572	579	101.2%	3.9	A
Total		1,733	1,626	93.8%	34.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 1
PM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	77	102.7%	29.4	C
	Through	923	926	100.3%	22.1	C
	Right Turn	122	120	98.1%	10.2	B
	Subtotal	1,120	1,123	100.2%	21.4	C
SB	Left Turn	35	32	90.9%	37.3	D
	Through	743	698	93.9%	17.3	B
	Right Turn	151	142	93.7%	8.5	A
	Subtotal	929	871	93.7%	16.8	B
EB	Left Turn	396	338	85.3%	38.8	D
	Through	486	451	92.7%	21.4	C
	Right Turn	110	95	86.5%	15.8	B
	Subtotal	992	883	89.1%	27.6	C
WB	Left Turn					
	Through	346	361	104.3%	34.1	C
	Right Turn	77	76	98.8%	10.6	B
	Subtotal	423	437	103.3%	30.1	C
Total		3,464	3,314	95.7%	22.9	C

AM ALTERNATIVE 2

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	10	94.5%	9.5	A
	Through	284	306	107.7%	6.5	A
	Right Turn	21	21	99.0%	5.3	A
	Subtotal	316	337	106.6%	6.5	A
SB	Left Turn	26	27	102.7%	14.0	B
	Through	743	777	104.6%	10.9	B
	Right Turn	10	10	95.0%	9.3	A
	Subtotal	779	813	104.4%	10.9	B
EB	Left Turn	1	1	80.0%	14.6	B
	Through	150	154	102.5%	22.7	C
	Right Turn	1	1	130.0%	4.1	A
	Subtotal	152	156	102.6%	22.9	C
WB	Left Turn	52	48	91.7%	31.8	C
	Through	785	744	94.8%	28.7	C
	Right Turn	41	35	84.6%	25.6	C
	Subtotal	878	827	94.1%	28.7	C
Total		2,125	2,133	100.4%	18.0	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	39	32	83.1%	13.0	B
	Through	351	306	87.1%	6.1	A
	Right Turn	42	47	112.1%	6.5	A
	Subtotal	432	385	89.2%	6.8	A
SB	Left Turn	98	95	96.4%	22.9	C
	Through	1,267	1,280	101.0%	24.0	C
	Right Turn	204	197	96.8%	26.8	C
	Subtotal	1,569	1,572	100.2%	24.3	C
EB	Left Turn	21	23	109.5%	51.0	D
	Through	149	152	101.7%	30.9	C
	Right Turn	27	26	94.4%	21.1	C
	Subtotal	197	200	101.5%	31.9	C
WB	Left Turn	177	177	100.2%	42.0	D
	Through	635	597	94.0%	41.8	D
	Right Turn	83	81	97.1%	42.3	D
	Subtotal	895	855	95.6%	42.0	D
Total		3,093	3,013	97.4%	27.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 3		Spring/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	24	20	82.5%	47.9	D
	Right Turn					
	Subtotal	24	20	82.5%	47.9	D
SB	Left Turn					
	Through	21	20	93.3%	34.7	C
	Right Turn					
	Subtotal	21	20	93.3%	34.7	C
EB	Left Turn	21	21	100.5%	30.0	C
	Through	248	253	102.1%	12.1	B
	Right Turn	15	14	93.3%	12.7	B
	Subtotal	284	288	101.5%	13.3	B
WB	Left Turn	10	11	114.0%	19.2	B
	Through	957	912	95.2%	21.1	C
	Right Turn	84	77	92.0%	18.8	B
	Subtotal	1,051	1,000	95.2%	20.9	C
Total		1,380	1,328	96.2%	20.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	56	97.2%	29.2	C
	Through	380	382	100.6%	12.2	B
	Right Turn	12	11	95.0%	1.2	A
	Subtotal	450	450	100.0%	14.4	B
SB	Left Turn	171	170	99.6%	40.6	D
	Through	1,069	1,065	99.6%	49.1	D
	Right Turn	240	219	91.4%	272.7	F
	Subtotal	1,480	1,455	98.3%	78.9	E
EB	Left Turn	61	69	113.3%	31.1	C
	Through	122	120	98.6%	6.9	A
	Right Turn	65	64	98.2%	10.8	B
	Subtotal	248	253	102.1%	14.6	B
WB	Left Turn	49	49	99.4%	59.2	E
	Through	753	725	96.3%	31.7	C
	Right Turn	164	159	96.8%	6.6	A
	Subtotal	966	933	96.5%	29.0	C
Total		3,144	3,090	98.3%	49.0	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	60.0%	0.0	A
	Through	200	154	77.2%	14.8	B
	Right Turn	42	32	77.1%	9.9	A
	Subtotal	243	187	77.1%	13.9	B
SB	Left Turn	227	229	101.1%	21.4	C
	Through	493	499	101.3%	31.7	C
	Right Turn	544	541	99.5%	25.0	C
	Subtotal	1,264	1,270	100.5%	27.2	C
EB	Left Turn	68	67	98.5%	40.3	D
	Through	232	230	99.1%	20.7	C
	Right Turn	5	5	106.0%	15.9	B
	Subtotal	305	302	99.1%	25.1	C
WB	Left Turn					
	Through	421	392	93.0%	35.8	D
	Right Turn	185	178	96.3%	28.6	C
	Subtotal	606	570	94.0%	33.6	C
Total		2,418	2,329	96.3%	27.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 6 Vignes/Bauchet Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	18	91.5%	9.1	A
	Through	609	558	91.6%	9.6	A
	Right Turn	164	150	91.6%	5.9	A
	Subtotal	793	727	91.6%	8.9	A
SB	Left Turn	61	60	98.9%	12.3	B
	Through	450	441	97.9%	9.1	A
	Right Turn	12	11	92.5%	3.4	A
	Subtotal	523	512	97.9%	9.3	A
EB	Left Turn	4	4	95.0%	13.4	B
	Through	4	2	60.0%	6.3	A
	Right Turn	6	6	93.3%	3.1	A
	Subtotal	14	12	84.3%	14.3	B
WB	Left Turn	123	125	101.3%	23.1	C
	Through	4	4	100.0%	22.3	C
	Right Turn	27	28	104.8%	5.0	A
	Subtotal	154	157	101.9%	19.4	B
Total		1,484	1,407	94.8%	10.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	208	200	96.0%	219.6	F
	Through	393	406	103.3%	38.8	D
	Right Turn	118	117	99.5%	11.7	B
	Subtotal	719	723	100.5%	84.8	F
SB	Left Turn	158	143	90.6%	45.4	D
	Through	418	393	94.0%	28.6	C
	Right Turn	33	32	96.1%	18.5	B
	Subtotal	609	568	93.3%	32.4	C
EB	Left Turn	57	56	97.4%	25.2	C
	Through	463	466	100.6%	31.5	C
	Right Turn	272	287	105.4%	15.8	B
	Subtotal	792	808	102.0%	25.5	C
WB	Left Turn	309	284	91.7%	23.5	C
	Through	1,264	1,112	87.9%	45.0	D
	Right Turn	339	292	86.0%	8.3	A
	Subtotal	1,912	1,687	88.2%	35.4	D
Total		4,032	3,786	93.9%	41.9	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	6	7	118.3%	60.1	E
	Through					
	Right Turn	8	8	103.8%	5.2	A
	Subtotal	14	15	110.0%	33.3	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	721	707	98.0%	1.7	A
	Right Turn	18	19	107.8%	6.7	A
	Subtotal	739	726	98.3%	1.9	A
WB	Left Turn	6	6	100.0%	79.9	E
	Through	1,902	1,658	87.2%	160.4	F
	Right Turn	32	24	75.9%	132.2	F
	Subtotal	1,940	1,688	87.0%	159.7	F
Total		2,693	2,430	90.2%	109.5	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	265	245	92.3%	161.6	F
	Through	501	497	99.2%	21.4	C
	Right Turn	90	92	102.4%	2.9	A
	Subtotal	856	834	97.4%	60.1	E
SB	Left Turn	26	22	85.4%	171.1	F
	Through	1,021	865	84.7%	157.3	F
	Right Turn	738	635	86.0%	344.6	F
	Subtotal	1,785	1,522	85.3%	238.5	F
EB	Left Turn	286	296	103.5%	58.3	E
	Through	265	259	97.8%	56.1	E
	Right Turn	178	164	92.0%	31.6	C
	Subtotal	729	719	98.6%	51.4	D
WB	Left Turn	305	276	90.4%	265.7	F
	Through	937	852	90.9%	275.8	F
	Right Turn	8	6	71.3%	266.6	F
	Subtotal	1,250	1,133	90.7%	273.3	F
Total		4,620	4,209	91.1%	176.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 10

Alameda/Hollywood

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	11	11	98.2%	17.2	B
	Through	435	436	100.3%	6.6	A
	Right Turn					
	Subtotal	446	447	100.2%	6.9	A
SB	Left Turn					
	Through	1,180	1,161	98.4%	31.9	C
	Right Turn	3	3	93.3%	8.8	A
	Subtotal	1,183	1,163	98.3%	31.9	C
EB	Left Turn					
	Through					
	Right Turn	10	10	100.0%	10.4	B
	Subtotal	10	10	100.0%	10.4	B
WB	Left Turn	467	470	100.7%	90.6	F
	Through	16	15	92.5%	108.8	F
	Right Turn	15	13	87.3%	85.5	F
	Subtotal	498	498	100.0%	91.3	F
Total		2,137	2,118	99.1%	41.3	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 11		Hill/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	15	101.3%	12.5	B
	Through	276	299	108.3%	9.4	A
	Right Turn	22	24	109.1%	7.2	A
	Subtotal	313	338	108.0%	9.4	A
SB	Left Turn	42	47	112.1%	7.4	A
	Through	739	766	103.6%	9.6	A
	Right Turn	15	15	101.3%	10.2	B
	Subtotal	796	828	104.0%	9.6	A
EB	Left Turn	10	8	79.0%	23.2	C
	Through	76	76	99.7%	26.4	C
	Right Turn	10	11	111.0%	28.4	C
	Subtotal	96	95	98.8%	26.3	C
WB	Left Turn	46	46	98.9%	30.2	C
	Through	257	240	93.5%	27.5	C
	Right Turn	30	31	103.7%	10.3	B
	Subtotal	333	317	95.2%	26.0	C
Total		1,538	1,578	102.6%	13.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	59	82.8%	30.4	C
	Through	385	327	85.0%	3.8	A
	Right Turn	74	63	84.6%	10.3	B
	Subtotal	530	449	84.7%	8.7	A
SB	Left Turn	83	105	127.0%	27.5	C
	Through	1,244	1,246	100.1%	23.2	C
	Right Turn	144	137	94.9%	28.8	C
	Subtotal	1,471	1,488	101.1%	24.1	C
EB	Left Turn	9	9	104.4%	37.8	D
	Through	90	95	105.6%	31.6	C
	Right Turn	41	43	104.4%	21.3	C
	Subtotal	140	147	105.1%	28.9	C
WB	Left Turn	64	49	76.4%	59.1	E
	Through	118	97	82.4%	61.5	E
	Right Turn	38	40	105.8%	48.4	D
	Subtotal	220	186	84.7%	57.6	E
Total		2,361	2,270	96.1%	24.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	535	485	90.6%	1.6	A
	Right Turn	45	40	88.7%	2.0	A
	Subtotal	580	525	90.5%	1.6	A
SB	Left Turn	34	33	97.1%	7.8	A
	Through	1,466	1,429	97.5%	23.4	C
	Right Turn					
	Subtotal	1,500	1,462	97.5%	23.1	C
EB	Left Turn	204	201	98.5%	41.3	D
	Through	47	43	91.3%	47.4	D
	Right Turn	16	24	146.9%	52.9	D
	Subtotal	267	267	100.1%	43.6	D
WB	Left Turn	21	17	80.5%	57.8	E
	Through					
	Right Turn	8	8	95.0%	5.4	A
	Subtotal	29	25	84.5%	34.4	C
Total		2,376	2,278	95.9%	21.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 14 Broadway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	128	107	83.5%	29.6	C
	Through	337	272	80.7%	23.0	C
	Right Turn	123	103	83.9%	18.3	B
	Subtotal	588	482	82.0%	23.5	C
SB	Left Turn	136	137	100.4%	65.4	E
	Through	840	830	98.8%	53.3	D
	Right Turn	373	368	98.6%	40.0	D
	Subtotal	1,349	1,334	98.9%	51.0	D
EB	Left Turn	139	137	98.5%	39.9	D
	Through	767	782	102.0%	24.3	C
	Right Turn	112	110	98.1%	13.5	B
	Subtotal	1,018	1,029	101.1%	25.2	C
WB	Left Turn	139	123	88.7%	14.9	B
	Through	1,435	1,244	86.7%	12.1	B
	Right Turn	54	41	76.1%	4.1	A
	Subtotal	1,628	1,408	86.5%	12.1	B
Total		4,583	4,253	92.8%	29.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	3	3	110.0%	52.8	D
	Through	349	339	97.1%	97.6	F
	Right Turn	170	155	91.3%	92.8	F
	Subtotal	522	498	95.3%	96.1	F
EB	Left Turn					
	Through	714	713	99.9%	10.2	B
	Right Turn	312	324	103.7%	6.0	A
	Subtotal	1,026	1,037	101.0%	8.9	A
WB	Left Turn	332	324	97.7%	50.9	D
	Through	1,458	1,211	83.1%	49.1	D
	Right Turn	17	12	72.4%	16.9	B
	Subtotal	1,807	1,548	85.7%	49.3	D
Total		3,355	3,082	91.9%	43.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	146	135	92.7%	58.9	E
	Through	183	176	96.2%	52.2	D
	Right Turn	107	105	98.3%	67.4	E
	Subtotal	436	417	95.6%	59.1	E
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	70	70	100.6%	27.3	C
	Through	647	669	103.4%	4.9	A
	Right Turn					
	Subtotal	717	739	103.1%	7.0	A
WB	Left Turn					
	Through	1,645	1,390	84.5%	18.6	B
	Right Turn	14	20	144.3%	8.3	A
	Subtotal	1,659	1,410	85.0%	18.4	B
Total		2,812	2,566	91.3%	21.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	144	134	92.8%	253.0	F
	Through	483	446	92.3%	49.9	D
	Right Turn	212	203	95.6%	52.2	D
	Subtotal	839	782	93.2%	86.4	F
SB	Left Turn	99	101	101.8%	30.0	C
	Through	1,115	1,083	97.1%	39.1	D
	Right Turn	289	279	96.4%	15.0	B
	Subtotal	1,503	1,462	97.3%	34.0	C
EB	Left Turn	78	70	90.1%	13.8	B
	Through	549	584	106.3%	8.5	A
	Right Turn	127	130	102.4%	5.2	A
	Subtotal	754	784	104.0%	8.5	A
WB	Left Turn	164	140	85.4%	28.3	C
	Through	1,226	1,021	83.3%	66.1	E
	Right Turn	19	16	81.6%	41.8	D
	Subtotal	1,409	1,177	83.5%	61.6	E
Total		4,505	4,205	93.3%	46.6	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	14	4	25.0%	40.0	D
	Through					
	Right Turn	15	5	32.7%	12.5	B
	Subtotal	29	8	29.0%	35.5	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	777	804	103.4%	1.0	A
	Right Turn	83	82	99.0%	1.5	A
	Subtotal	860	886	103.0%	1.1	A
WB	Left Turn	75	61	81.9%	126.2	F
	Through	1,430	1,223	85.6%	176.6	F
	Right Turn					
	Subtotal	1,505	1,285	85.4%	174.4	F
Total		2,394	2,179	91.0%	101.6	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 19

Alameda/Los Angeles

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	797	757	94.9%	50.6	D
	Right Turn	83	66	79.9%	42.8	D
	Subtotal	880	823	93.5%	49.9	D
SB	Left Turn	61	73	118.9%	56.8	E
	Through	1,345	1,278	95.0%	10.6	B
	Right Turn					
	Subtotal	1,406	1,350	96.0%	13.1	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	159	150	94.5%	24.5	C
	Through					
	Right Turn	42	45	107.1%	40.1	D
	Subtotal	201	195	97.1%	28.2	C
Total		2,487	2,369	95.2%	26.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	466	359	77.0%	12.5	B
	Right Turn					
	Subtotal	466	359	77.0%	12.5	B
SB	Left Turn					
	Through	762	743	97.6%	13.1	B
	Right Turn					
	Subtotal	762	743	97.6%	13.1	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	365	290	79.4%	24.6	C
	Through					
	Right Turn	829	663	80.0%	9.6	A
	Subtotal	1,194	953	79.8%	14.3	B
Total		2,422	2,055	84.9%	13.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 21 Spring/Arcadia Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	976	812	83.2%	27.4	C
	Right Turn	35	32	91.1%	11.8	B
	Subtotal	1,011	844	83.5%	26.8	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	529	478	90.4%	17.8	B
	Through	1,159	923	79.7%	16.7	B
	Right Turn					
	Subtotal	1,688	1,402	83.0%	17.1	B
Total		2,699	2,245	83.2%	20.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	80	84	105.5%	2.2	A
	Through	355	361	101.7%	5.7	A
	Right Turn					
	Subtotal	435	446	102.4%	5.0	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	1,608	1,314	81.7%	3.8	A
	Right Turn	81	64	79.0%	4.2	A
	Subtotal	1,689	1,378	81.6%	3.8	A
Total		2,124	1,823	85.8%	4.1	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	88	87	98.5%	7.3	A
	Through	89	84	94.6%	6.2	A
	Right Turn					
	Subtotal	177	171	96.6%	6.8	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	444	341	76.7%	18.5	B
	Through	1,601	1,289	80.5%	11.0	B
	Right Turn	71	53	74.9%	17.6	B
	Subtotal	2,116	1,683	79.5%	12.9	B
Total		2,293	1,854	80.9%	12.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	143	146	101.9%	40.8	D
	Through	1,005	990	98.5%	25.3	C
	Right Turn	50	83	165.0%	16.8	B
	Subtotal	1,198	1,219	101.7%	26.5	C
SB	Left Turn	13	42	326.2%	26.8	C
	Through	1,083	976	90.2%	19.8	B
	Right Turn	191	178	93.1%	15.1	B
	Subtotal	1,287	1,197	93.0%	19.4	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	484	353	72.9%	161.8	F
	Through	1,782	1,361	76.4%	148.9	F
	Right Turn	261	199	76.4%	169.1	F
	Subtotal	2,527	1,913	75.7%	153.7	F
Total		5,012	4,328	86.3%	79.8	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 25

Vignes/Ramirez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	93	91	97.5%	40.4	D
	Through	208	207	99.7%	35.7	D
	Right Turn	101	104	102.7%	5.2	A
	Subtotal	402	402	99.9%	28.3	C
SB	Left Turn	591	548	92.6%	56.4	E
	Through	275	260	94.6%	34.4	C
	Right Turn	353	263	74.4%	37.9	D
	Subtotal	1,219	1,070	87.8%	46.3	D
EB	Left Turn	235	268	113.9%	79.6	E
	Through					
	Right Turn					
	Subtotal	235	268	113.9%	79.6	E
WB	Left Turn	109	106	97.4%	51.0	D
	Through	149	169	113.6%	97.4	F
	Right Turn	373	356	95.4%	78.9	E
	Subtotal	631	631	100.0%	76.6	E
Total		2,487	2,371	95.3%	53.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 26		Broadway/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	331	359	108.5%	7.6	A
	Right Turn	83	86	103.5%	3.4	A
	Subtotal	414	445	107.5%	6.8	A
SB	Left Turn	144	133	92.2%	8.8	A
	Through	983	893	90.9%	6.1	A
	Right Turn					
	Subtotal	1,127	1,026	91.0%	6.5	A
EB	Left Turn	135	0	0.0%	0.0	A
	Through	279	336	120.4%	25.3	C
	Right Turn	163	232	142.4%	10.3	B
	Subtotal	577	568	98.4%	15.4	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,118	2,039	96.3%	9.0	A

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	171	148	86.5%	1.0	A
	Through	1,334	1,291	96.7%	5.3	A
	Right Turn					
	Subtotal	1,505	1,438	95.6%	4.9	A
EB	Left Turn					
	Through	309	337	109.0%	33.8	C
	Right Turn	197	212	107.6%	19.1	B
	Subtotal	506	549	108.4%	28.0	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,011	1,987	98.8%	11.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	388	398	102.7%	28.0	C
	Right Turn	217	217	99.8%	20.7	C
	Subtotal	605	615	101.7%	25.6	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	47	47	100.6%	8.7	A
	Through	433	474	109.5%	16.1	B
	Right Turn					
	Subtotal	480	522	108.7%	15.5	B
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,085	1,137	104.8%	21.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 29 Los Angeles/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	158	152	96.3%	18.5	B
	Right Turn	85	240	281.9%	20.9	C
	Subtotal	379	392	103.4%	19.9	B
SB	Left Turn					
	Through	444	339	76.4%	22.8	C
	Right Turn					
	Subtotal	444	339	76.4%	22.8	C
EB	Left Turn	252	273	108.3%	25.0	C
	Through	222	262	117.9%	32.3	C
	Right Turn	157	157	99.7%	31.5	C
	Subtotal	650	691	106.4%	29.4	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,473	1,422	96.6%	25.3	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	877	851	97.1%	100.6	F
	Right Turn	158	169	107.0%	32.4	C
	Subtotal	1,035	1,020	98.6%	89.2	F
SB	Left Turn	200	172	86.2%	44.7	D
	Through	1,367	1,162	85.0%	16.7	B
	Right Turn					
	Subtotal	1,567	1,334	85.1%	20.3	C
EB	Left Turn	115	172	149.2%	31.2	C
	Through	66	74	112.3%	23.4	C
	Right Turn	177	170	96.0%	8.8	A
	Subtotal	358	416	116.1%	21.1	C
WB	Left Turn	149	138	92.6%	19.5	B
	Through					
	Right Turn	206	198	96.3%	34.4	C
	Subtotal	355	336	94.7%	28.2	C
Total		3,315	3,107	93.7%	43.7	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	13	12	95.4%	34.5	C
	Through	43	41	94.4%	31.6	C
	Right Turn	7	8	112.9%	10.0	A
	Subtotal	63	61	96.7%	28.1	C
SB	Left Turn	218	231	106.0%	32.1	C
	Through	63	64	101.4%	29.6	C
	Right Turn	200	190	95.0%	4.8	A
	Subtotal	481	485	100.8%	21.6	C
EB	Left Turn	271	267	98.5%	24.6	C
	Through	77	79	102.3%	21.8	C
	Right Turn	26	24	90.8%	8.7	A
	Subtotal	374	369	98.7%	23.0	C
WB	Left Turn	10	10	96.0%	21.8	C
	Through	122	115	94.1%	35.0	D
	Right Turn	176	170	96.3%	19.1	B
	Subtotal	308	294	95.4%	25.7	C
Total		1,226	1,209	98.6%	23.4	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 32		Broadway/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	1	1	130.0%	13.0	B
	Through	363	394	108.6%	8.5	A
	Right Turn					
	Subtotal	364	395	108.6%	8.6	A
SB	Left Turn	55	56	101.8%	9.2	A
	Through	1,028	1,005	97.8%	8.9	A
	Right Turn	63	71	112.2%	12.1	B
	Subtotal	1,146	1,132	98.8%	9.1	A
EB	Left Turn	25	25	99.6%	29.9	C
	Through	585	605	103.4%	19.0	B
	Right Turn	154	148	96.0%	15.9	B
	Subtotal	764	777	101.7%	18.8	B
WB	Left Turn	79	67	85.2%	21.6	C
	Through	973	918	94.3%	11.5	B
	Right Turn	26	24	93.1%	9.1	A
	Subtotal	1,078	1,009	93.6%	12.1	B
Total		3,352	3,314	98.9%	12.3	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	59	53	90.5%	25.1	C
	Through	1,271	1,266	99.6%	23.2	C
	Right Turn	201	184	91.4%	24.7	C
	Subtotal	1,531	1,503	98.2%	23.5	C
EB	Left Turn					
	Through	499	526	105.3%	23.3	C
	Right Turn	141	144	102.0%	31.6	C
	Subtotal	640	669	104.6%	25.0	C
WB	Left Turn	113	109	96.6%	14.4	B
	Through	877	851	97.1%	16.3	B
	Right Turn					
	Subtotal	990	961	97.0%	16.1	B
Total		3,161	3,133	99.1%	21.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	120	123	102.8%	19.5	B
	Through	457	474	103.7%	18.5	B
	Right Turn	174	179	102.9%	19.0	B
	Subtotal	751	776	103.4%	18.8	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	60	59	98.8%	12.7	B
	Through	498	516	103.6%	19.5	B
	Right Turn					
	Subtotal	558	575	103.1%	18.7	B
WB	Left Turn					
	Through	870	831	95.5%	13.4	B
	Right Turn	88	81	92.4%	11.9	B
	Subtotal	958	912	95.2%	13.3	B
Total		2,267	2,207	97.4%	23.0	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	73	97.1%	22.1	C
	Through	231	235	101.7%	11.6	B
	Right Turn	60	65	107.8%	19.2	B
	Subtotal	366	372	101.7%	15.1	B
SB	Left Turn	175	151	86.0%	29.5	C
	Through	609	544	89.3%	21.9	C
	Right Turn	86	80	93.3%	29.1	C
	Subtotal	870	774	89.0%	24.1	C
EB	Left Turn	31	45	146.5%	65.5	E
	Through	400	422	105.5%	25.0	C
	Right Turn	241	226	93.7%	25.5	C
	Subtotal	672	693	103.2%	27.8	C
WB	Left Turn	109	100	91.9%	39.9	D
	Through	797	760	95.4%	57.7	E
	Right Turn	117	112	95.4%	53.4	D
	Subtotal	1,023	972	95.0%	55.2	E
Total		2,931	2,812	95.9%	34.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	76	79	103.9%	26.6	C
	Through					
	Right Turn	42	53	126.7%	17.1	B
	Subtotal	118	132	112.0%	22.7	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	369	380	103.1%	9.7	A
	Right Turn	266	255	95.8%	15.7	B
	Subtotal	635	635	100.0%	12.1	B
WB	Left Turn	149	161	108.3%	18.4	B
	Through	947	895	94.5%	15.4	B
	Right Turn					
	Subtotal	1,096	1,056	96.4%	15.9	B
Total		1,849	1,824	98.6%	15.2	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	240	242	100.9%	43.2	D
	Through	871	863	99.1%	57.1	E
	Second Right					
	Subtotal	1,111	1,105	99.5%	54.1	D
SB	Left Turn	67	60	88.8%	45.8	D
	Through	1,134	985	86.8%	34.8	C
	Second Right					
	Subtotal	1,693	1,472	86.9%	29.5	C
EB	Left Turn	95	100	104.8%	23.8	C
	Through	186	207	111.2%	22.7	C
	Second Right					
	Subtotal	411	431	104.7%	26.1	C
WB	Left Turn	28	27	95.0%	75.6	E
	Through	364	392	107.6%	75.8	E
	Second Right					
	Subtotal	461	488	105.8%	76.9	E
Total		3,676	3,495	95.1%	43.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 38

Los Angeles/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	346	341	98.4%	16.3	B
	Right Turn					
	Subtotal	346	341	98.4%	16.3	B
SB	Left Turn	51	48	93.7%	19.4	B
	Through	754	682	90.5%	17.9	B
	Right Turn	154	140	91.2%	7.7	A
	Subtotal	959	870	90.8%	16.3	B
EB	Left Turn	10	18	176.0%	28.1	C
	Through	513	532	103.8%	14.7	B
	Right Turn	93	95	102.3%	6.7	A
	Subtotal	616	645	104.7%	13.9	B
WB	Left Turn	46	39	85.7%	18.7	B
	Through	787	785	99.7%	12.7	B
	Right Turn	10	10	103.0%	4.0	A
	Subtotal	843	835	99.0%	12.8	B
Total		2,764	2,691	97.3%	14.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	15	24	158.7%	35.3	D
	Through	98	102	104.5%	19.6	B
	Right Turn	21	20	93.3%	6.5	A
	Subtotal	134	146	108.8%	20.8	C
SB	Left Turn	15	13	83.3%	27.3	C
	Through	379	367	96.9%	23.4	C
	Right Turn	21	37	174.3%	34.4	C
	Subtotal	415	416	100.3%	24.5	C
EB	Left Turn	10	22	224.0%	34.2	C
	Through	539	543	100.8%	7.2	A
	Right Turn	15	15	100.7%	3.1	A
	Subtotal	564	581	103.0%	8.0	A
WB	Left Turn	33	31	93.6%	25.9	C
	Through	807	787	97.5%	19.9	B
	Right Turn	10	9	88.0%	9.8	A
	Subtotal	850	826	97.2%	20.0	B
Total		1,963	1,969	100.3%	17.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	148	96.0%	23.5	C
	Through					
	Right Turn	12	13	110.0%	5.7	A
	Subtotal	166	161	97.0%	22.2	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	472	493	104.5%	19.4	B
	Right Turn	103	103	99.9%	13.5	B
	Subtotal	575	596	103.7%	18.3	B
WB	Left Turn	26	21	80.8%	13.0	B
	Through	696	697	100.1%	9.5	A
	Right Turn					
	Subtotal	722	718	99.4%	9.7	A
Total		1,463	1,475	100.8%	14.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
AM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	4	4	100.0%	30.8	C
	Through	1,053	1,056	100.2%	44.8	D
	Right Turn	50	51	101.4%	22.1	C
	Subtotal	1,107	1,110	100.3%	43.6	D
SB	Left Turn	24	20	84.2%	34.5	C
	Through	1,077	949	88.1%	13.9	B
	Right Turn	191	166	86.6%	17.1	B
	Subtotal	1,292	1,134	87.8%	14.7	B
EB	Left Turn	31	30	96.8%	17.4	B
	Through	402	426	106.0%	11.4	B
	Right Turn	51	51	100.8%	12.0	B
	Subtotal	484	508	104.9%	11.9	B
WB	Left Turn					
	Through	527	545	103.4%	26.6	C
	Right Turn	27	27	99.6%	15.3	B
	Subtotal	554	572	103.2%	26.1	C
Total		3,437	3,324	96.7%	26.2	C

PM ALTERNATIVE 2

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 1		Hill/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	32	34	105.3%	20.1	C
	Through	665	683	102.7%	17.2	B
	Right Turn	67	68	101.6%	17.5	B
	Subtotal	764	785	102.7%	17.4	B
SB	Left Turn	15	13	83.3%	17.5	B
	Through	435	462	106.3%	8.7	A
	Right Turn	26	26	98.1%	6.5	A
	Subtotal	476	500	105.1%	8.8	A
EB	Left Turn	47	48	102.1%	20.8	C
	Through	293	295	100.6%	18.1	B
	Right Turn	16	15	93.1%	8.9	A
	Subtotal	356	358	100.4%	18.2	B
WB	Left Turn	32	29	90.0%	32.9	C
	Through	340	311	91.6%	28.4	C
	Right Turn	82	77	93.4%	22.1	C
	Subtotal	454	417	91.8%	27.6	C
Total		2,050	2,059	100.5%	17.6	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 2		Broadway/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	58	51	87.4%	20.1	C
	Through	1,180	1,101	93.3%	21.3	C
	Right Turn	100	101	100.6%	21.8	C
	Subtotal	1,338	1,252	93.6%	21.3	C
SB	Left Turn	55	55	100.4%	24.4	C
	Through	649	686	105.6%	13.2	B
	Right Turn	48	48	99.2%	12.5	B
	Subtotal	752	788	104.8%	14.0	B
EB	Left Turn	79	82	103.4%	21.0	C
	Through	254	257	101.1%	10.4	B
	Right Turn	42	41	96.7%	6.3	A
	Subtotal	375	379	101.1%	12.4	B
WB	Left Turn	52	59	113.7%	24.9	C
	Through	348	322	92.5%	25.0	C
	Right Turn	254	239	94.2%	24.5	C
	Subtotal	654	620	94.8%	24.9	C
Total		3,119	3,039	97.4%	19.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 3 Spring/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	7	7	95.7%	42.7	D
	Through					
	Right Turn	102	74	72.7%	19.7	B
	Subtotal	109	81	74.2%	22.6	C
SB	Left Turn	17	17	100.6%	43.7	D
	Through	29	28	95.9%	36.5	D
	Right Turn	8	7	92.5%	21.1	C
	Subtotal	54	52	96.9%	35.7	D
EB	Left Turn	10	9	94.0%	18.6	B
	Through	390	390	100.0%	18.5	B
	Right Turn	15	15	100.7%	20.7	C
	Subtotal	415	415	99.9%	18.7	B
WB	Left Turn	7	7	92.9%	14.0	B
	Through	646	603	93.4%	11.7	B
	Right Turn	13	12	93.1%	7.0	A
	Subtotal	666	622	93.4%	11.7	B
Total		1,244	1,170	94.0%	16.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 4 Alameda/Alpine Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	179	162	90.7%	16.6	B
	Through	1,066	1,018	95.5%	13.6	B
	Right Turn	49	47	95.5%	9.4	A
	Subtotal	1,294	1,227	94.8%	13.8	B
SB	Left Turn	116	113	97.0%	42.9	D
	Through	500	510	102.0%	13.2	B
	Right Turn	57	67	118.2%	8.1	A
	Subtotal	673	690	102.5%	17.7	B
EB	Left Turn	102	107	105.3%	17.4	B
	Through	335	326	97.4%	17.1	B
	Right Turn	72	69	96.3%	7.7	A
	Subtotal	509	503	98.8%	16.1	B
WB	Left Turn	55	51	92.9%	28.3	C
	Through	430	392	91.2%	20.3	C
	Right Turn	393	369	93.8%	11.6	B
	Subtotal	878	812	92.5%	16.6	B
Total		3,354	3,232	96.4%	15.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 5		Main/Alpine			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	5	4	78.0%	12.5	B
	Through	657	513	78.1%	24.6	C
	Right Turn	35	27	77.1%	22.8	C
	Subtotal	697	544	78.0%	24.5	C
SB	Left Turn	201	200	99.4%	34.6	C
	Through	275	269	98.0%	21.9	C
	Right Turn	186	191	102.5%	14.3	B
	Subtotal	662	660	99.7%	23.7	C
EB	Left Turn	228	226	99.1%	64.6	E
	Through	271	260	95.9%	19.8	B
	Right Turn	1	1	140.0%	5.2	A
	Subtotal	500	487	97.4%	40.9	D
WB	Left Turn					
	Through	687	616	89.7%	36.5	D
	Right Turn	370	323	87.3%	44.7	D
	Subtotal	1,057	939	88.8%	39.4	D
Total		2,916	2,630	90.2%	33.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 6

Vignes/Bauchet

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	31	24	77.4%	13.4	B
	Through	980	850	86.7%	12.6	B
	Right Turn	57	52	90.4%	5.1	A
	Subtotal	1,068	925	86.6%	12.2	B
SB	Left Turn	27	25	93.7%	21.1	C
	Through	463	445	96.1%	9.4	A
	Right Turn	5	5	106.0%	7.3	A
	Subtotal	495	476	96.1%	9.9	A
EB	Left Turn	11	12	105.5%	13.7	B
	Through	5	5	108.0%	18.6	B
	Right Turn	20	22	109.5%	5.5	A
	Subtotal	36	39	108.1%	12.9	B
WB	Left Turn	263	252	95.9%	22.7	C
	Through	6	6	103.3%	12.0	B
	Right Turn	81	80	99.1%	6.4	A
	Subtotal	350	339	96.7%	19.1	B
Total		1,949	1,779	91.3%	12.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 7

Vignes/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	319	280	87.9%	210.2	F
	Through	719	651	90.6%	53.3	D
	Right Turn	208	191	92.0%	19.0	B
	Subtotal	1,246	1,123	90.1%	85.7	F
SB	Left Turn	296	270	91.1%	42.0	D
	Through	426	390	91.6%	34.7	C
	Right Turn	62	56	90.3%	29.2	C
	Subtotal	784	716	91.3%	37.0	D
EB	Left Turn	45	43	94.9%	51.1	D
	Through	948	894	94.3%	55.7	E
	Right Turn	299	295	98.6%	29.6	C
	Subtotal	1,292	1,232	95.3%	49.3	D
WB	Left Turn	198	190	95.9%	42.9	D
	Through	878	772	87.9%	78.0	E
	Right Turn	304	260	85.5%	6.9	A
	Subtotal	1,380	1,222	88.5%	56.6	E
Total		4,702	4,293	91.3%	57.7	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 8 Lyon/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	3	3	103.3%	11.8	B
	Through					
	Right Turn	4	3	72.5%	3.4	A
	Subtotal	7	6	85.7%	15.1	B
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,450	1,355	93.4%	2.0	A
	Right Turn	2	2	95.0%	4.9	A
	Subtotal	1,452	1,357	93.4%	2.0	A
WB	Left Turn	14	0	0.0%	0.0	A
	Through	1,377	1,204	87.4%	280.6	F
	Right Turn	7	0	0.0%	0.0	A
	Subtotal	1,398	1,204	86.1%	280.6	F
Total		2,857	2,567	89.8%	123.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 9 Mission/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	348	242	69.5%	917.8	F
	Through	581	477	82.2%	92.9	F
	Right Turn	83	68	81.7%	56.5	E
	Subtotal	1,012	787	77.8%	382.7	F
SB	Left Turn	46	45	97.8%	42.0	D
	Through	476	477	100.1%	48.5	D
	Right Turn	366	384	104.8%	143.7	F
	Subtotal	888	905	101.9%	87.8	F
EB	Left Turn	445	441	99.1%	42.6	D
	Through	663	602	90.7%	50.8	D
	Right Turn	346	311	89.9%	40.9	D
	Subtotal	1,454	1,354	93.1%	45.9	D
WB	Left Turn	172	162	94.3%	103.4	F
	Through	684	659	96.3%	140.7	F
	Right Turn	27	26	97.0%	133.0	F
	Subtotal	883	847	96.0%	133.1	F
Total		4,237	3,893	91.9%	116.1	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 10 Alameda/Hollywood Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,279	1,215	95.0%	12.0	B
	Right Turn					
	Subtotal	1,279	1,215	95.0%	12.0	B
SB	Left Turn					
	Through	622	625	100.5%	3.4	A
	Right Turn	5	6	110.0%	0.9	A
	Subtotal	627	631	100.6%	3.4	A
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	260	258	99.2%	43.5	D
	Through	1	1	110.0%	12.6	B
	Right Turn	15	13	88.0%	36.9	D
	Subtotal	276	272	98.6%	43.1	D
Total		2,182	2,117	97.0%	13.5	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 11		Hill/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	21	22	103.8%	15.4	B
	Through	655	666	101.7%	12.6	B
	Right Turn	64	68	106.6%	10.5	B
	Subtotal	740	756	102.2%	12.5	B
SB	Left Turn	51	53	103.7%	17.7	B
	Through	411	425	103.4%	8.9	A
	Right Turn	21	22	106.7%	9.8	A
	Subtotal	483	500	103.6%	9.8	A
EB	Left Turn	15	17	111.3%	26.8	C
	Through	213	211	99.1%	18.9	B
	Right Turn	31	30	96.5%	16.9	B
	Subtotal	259	258	99.5%	19.3	B
WB	Left Turn	30	28	92.3%	20.3	C
	Through	185	175	94.8%	13.7	B
	Right Turn	94	92	97.6%	5.3	A
	Subtotal	309	295	95.4%	11.9	B
Total		1,791	1,809	101.0%	12.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 12		Broadway/Ord			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	119	108	90.8%	43.9	D
	Through	1,086	990	91.2%	23.6	C
	Right Turn	65	63	96.9%	30.3	C
	Subtotal	1,270	1,161	91.4%	26.2	C
SB	Left Turn	61	89	145.1%	51.4	D
	Through	636	647	101.8%	14.2	B
	Right Turn	46	45	98.5%	19.1	B
	Subtotal	743	781	105.1%	18.9	B
EB	Left Turn	121	125	103.5%	20.5	C
	Through	124	121	97.7%	21.7	C
	Right Turn	83	83	100.2%	16.8	B
	Subtotal	328	330	100.5%	19.8	B
WB	Left Turn	39	30	76.4%	37.7	D
	Through	144	110	76.5%	33.6	C
	Right Turn	131	106	81.2%	27.4	C
	Subtotal	314	246	78.5%	31.3	C
Total		2,655	2,518	94.9%	23.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 13 Alameda/Main Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	946	854	90.3%	7.8	A
	Right Turn	13	11	86.9%	2.7	A
	Subtotal	959	865	90.2%	7.8	A
SB	Left Turn	16	15	93.8%	33.6	C
	Through	882	874	99.1%	31.8	C
	Right Turn					
	Subtotal	898	889	99.0%	31.9	C
EB	Left Turn	1,057	922	87.2%	35.6	D
	Through	23	19	81.7%	38.8	D
	Right Turn	37	37	98.6%	15.6	B
	Subtotal	1,117	978	87.5%	34.9	C
WB	Left Turn	42	35	83.1%	44.2	D
	Through					
	Right Turn	73	76	103.4%	18.3	B
	Subtotal	115	110	96.0%	26.8	C
Total		3,089	2,842	92.0%	25.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 14

Broadway/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	192	189	98.2%	37.3	D
	Through	901	857	95.1%	35.8	D
	Right Turn	182	169	92.8%	68.6	E
	Subtotal	1,275	1,214	95.2%	40.8	D
SB	Left Turn	112	109	97.0%	109.5	F
	Through	443	439	99.0%	25.4	C
	Right Turn	203	208	102.3%	10.8	B
	Subtotal	758	755	99.6%	33.9	C
EB	Left Turn	210	183	86.9%	190.2	F
	Through	1,055	728	69.0%	184.6	F
	Right Turn	64	54	83.8%	100.3	F
	Subtotal	1,329	964	72.5%	181.2	F
WB	Left Turn	139	118	84.7%	52.1	D
	Through	1,203	1,002	83.3%	17.5	B
	Right Turn	159	130	82.0%	8.1	A
	Subtotal	1,501	1,250	83.3%	19.9	B
Total		4,863	4,183	86.0%	65.5	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 15

Spring/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	30	30	100.7%	43.8	D
	Through	99	99	100.3%	45.9	D
	Right Turn	72	69	95.3%	37.8	D
	Subtotal	201	198	98.6%	43.0	D
EB	Left Turn					
	Through	1,126	1,013	90.0%	14.1	B
	Right Turn	223	208	93.4%	6.1	A
	Subtotal	1,349	1,221	90.5%	12.7	B
WB	Left Turn	231	219	94.7%	62.6	E
	Through	1,429	1,157	81.0%	51.7	D
	Right Turn	100	85	84.6%	19.6	B
	Subtotal	1,760	1,460	83.0%	51.6	D
Total		3,310	2,880	87.0%	34.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 16 Main/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	427	325	76.0%	147.8	F
	Through	989	854	86.4%	208.0	F
	Right Turn	278	244	87.6%	190.4	F
	Subtotal	1,694	1,422	84.0%	189.6	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	105	99	94.0%	97.4	F
	Through	1,051	959	91.3%	54.4	D
	Right Turn					
	Subtotal	1,156	1,058	91.5%	58.8	E
WB	Left Turn					
	Through	1,348	1,095	81.2%	29.1	C
	Right Turn	23	25	109.1%	12.6	B
	Subtotal	1,371	1,120	81.7%	28.8	C
Total		4,221	3,600	85.3%	100.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 17

Alameda/Cesar Chavez

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	113	110	97.5%	276.3	F
	Through	693	645	93.1%	57.6	E
	Right Turn	181	183	101.2%	61.2	E
	Subtotal	987	938	95.1%	83.8	F
SB	Left Turn	100	105	104.9%	25.2	C
	Through	647	643	99.4%	45.8	D
	Right Turn	214	196	91.5%	17.0	B
	Subtotal	961	944	98.2%	37.6	D
EB	Left Turn	150	131	87.5%	91.5	F
	Through	969	903	93.2%	16.3	B
	Right Turn	210	181	86.1%	3.3	A
	Subtotal	1,329	1,215	91.4%	23.4	C
WB	Left Turn	173	140	81.0%	37.8	D
	Through	1,044	835	80.0%	72.8	E
	Right Turn	116	90	77.3%	54.7	D
	Subtotal	1,333	1,065	79.9%	67.1	E
Total		4,610	4,162	90.3%	51.2	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 18 Union Station Driveway/Cesar Chavez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	71	4	5.2%	8.3	A
	Through					
	Right Turn	129	6	4.4%	57.8	E
	Subtotal	200	9	4.7%	48.9	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	1,163	1,031	88.7%	234.7	F
	Right Turn	87	20	22.5%	203.6	F
	Subtotal	1,250	1,051	84.1%	234.2	F
WB	Left Turn	22	82	372.3%	2.0	A
	Through	1,237	1,107	89.5%	2.4	A
	Right Turn					
	Subtotal	1,259	1,189	94.4%	2.4	A
Total		2,709	2,249	83.0%	106.4	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 19 Alameda/Los Angeles Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	890	842	94.6%	40.3	D
	Right Turn	109	95	86.7%	37.5	D
	Subtotal	999	936	93.7%	40.0	D
SB	Left Turn	72	80	110.7%	53.1	D
	Through	958	884	92.3%	12.3	B
	Right Turn					
	Subtotal	1,030	964	93.6%	15.8	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	203	202	99.4%	22.0	C
	Through					
	Right Turn	97	102	105.2%	46.6	D
	Subtotal	300	304	101.3%	30.6	C
Total		2,329	2,204	94.6%	27.9	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 20		Broadway/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,084	1,086	100.2%	7.5	A
	Right Turn					
	Subtotal	1,084	1,086	100.2%	7.5	A
SB	Left Turn					
	Through	508	482	94.8%	13.8	B
	Right Turn					
	Subtotal	508	482	94.8%	13.8	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	205	178	86.8%	37.9	D
	Through					
	Right Turn	650	580	89.2%	24.4	C
	Subtotal	855	758	88.7%	27.3	C
Total		2,447	2,325	95.0%	15.1	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 21

Spring/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn					
	Through	503	398	79.2%	22.4	C
	Right Turn	103	87	84.6%	10.6	B
	Subtotal	606	486	80.1%	20.1	C
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	213	245	115.2%	21.5	C
	Through	752	670	89.1%	18.8	B
	Right Turn					
	Subtotal	965	915	94.8%	19.6	B
Total		1,571	1,401	89.2%	19.8	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 22		Main/Arcadia			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	274	259	94.3%	17.3	B
	Through	1,433	1,294	90.3%	26.1	C
	Right Turn					
	Subtotal	1,707	1,553	91.0%	24.6	C
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn					
	Through	691	657	95.1%	25.8	C
	Right Turn	93	79	85.1%	29.9	C
	Subtotal	784	737	93.9%	26.3	C
Total		2,491	2,289	91.9%	25.2	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 23

Los Angeles/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	190	182	95.6%	6.6	A
	Through	434	419	96.6%	6.9	A
	Right Turn					
	Subtotal	624	601	96.3%	6.8	A
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	162	140	86.6%	39.1	D
	Through	594	553	93.1%	39.5	D
	Right Turn	53	45	84.5%	41.8	D
	Subtotal	809	738	91.2%	39.6	D
Total		1,433	1,339	93.4%	24.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 24

Alameda/Arcadia

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	22	35	158.2%	6.5	A
	Through	888	866	97.6%	4.6	A
	Right Turn	1,327	1,238	93.3%	4.4	A
	Subtotal	2,237	2,139	95.6%	4.5	A
SB	Left Turn	59	69	116.3%	46.3	D
	Through	721	647	89.7%	18.2	B
	Right Turn	127	124	97.8%	15.1	B
	Subtotal	907	839	92.5%	20.0	B
EB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
WB	Left Turn	253	210	83.2%	309.6	F
	Through	660	579	87.7%	321.8	F
	Right Turn	276	225	81.3%	375.0	F
	Subtotal	1,189	1,013	85.2%	330.7	F
Total		4,333	3,992	92.1%	95.2	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 25 Vignes/Ramirez Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	102	103	100.6%	40.7	D
	Through	393	373	95.0%	42.7	D
	Right Turn	79	81	101.9%	5.7	A
	Subtotal	574	556	96.9%	37.1	D
SB	Left Turn	520	513	98.7%	50.1	D
	Through	287	311	108.4%	30.8	C
	Right Turn	284	220	77.3%	30.2	C
	Subtotal	1,091	1,044	95.7%	40.0	D
EB	Left Turn	297	296	99.5%	97.7	F
	Through					
	Right Turn					
	Subtotal	297	296	99.5%	97.7	F
WB	Left Turn	204	184	90.1%	132.1	F
	Through	156	159	101.7%	168.2	F
	Right Turn	507	447	88.2%	210.8	F
	Subtotal	867	790	91.1%	183.7	F
Total		2,829	2,685	94.9%	82.9	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 26		Broadway/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	936	947	101.2%	15.6	B
	Right Turn	166	165	99.6%	13.1	B
	Subtotal	1,102	1,113	101.0%	15.3	B
SB	Left Turn	102	91	89.4%	24.3	C
	Through	611	566	92.7%	5.1	A
	Right Turn					
	Subtotal	713	658	92.2%	7.7	A
EB	Left Turn	148	139	94.0%	50.0	D
	Through	418	189	45.1%	27.0	C
	Right Turn	46	296	643.0%	12.1	B
	Subtotal	612	624	101.9%	24.4	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,427	2,394	98.6%	15.7	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 27 Spring/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	113	93	82.3%	3.8	A
	Through	603	644	106.7%	13.2	B
	Right Turn					
	Subtotal	716	737	102.9%	12.0	B
EB	Left Turn					
	Through	604	394	65.1%	9.6	A
	Right Turn	82	50	60.6%	4.1	A
	Subtotal	686	443	64.6%	9.0	A
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		1,402	1,180	84.2%	10.9	B

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 28		Main/Aliso			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,613	1,496	92.8%	88.2	F
	Right Turn	161	149	92.4%	21.4	C
	Subtotal	1,774	1,645	92.7%	82.4	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	94	64	67.7%	13.2	B
	Through	623	423	67.8%	6.3	A
	Right Turn					
	Subtotal	717	486	67.8%	7.2	A
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,491	2,131	85.6%	64.6	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 29

Los Angeles/Aliso

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	607	588	96.9%	44.2	D
	Right Turn	313	671	214.4%	39.5	D
	Subtotal	1,302	1,259	96.7%	41.7	D
SB	Left Turn					
	Through	162	140	86.4%	15.5	B
	Right Turn					
	Subtotal	162	140	86.4%	15.5	B
EB	Left Turn	477	357	74.9%	22.9	C
	Through	266	232	87.1%	32.5	C
	Right Turn	24	18	75.8%	33.2	C
	Subtotal	784	607	77.4%	27.1	C
WB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
Total		2,248	2,006	89.2%	35.6	D

**Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement**

**Union Station Master Plan
Alternative 2
PM Peak Hour**

Intersection 30 Alameda/Aliso Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through	1,496	1,429	95.5%	34.2	C
	Right Turn	127	135	105.9%	10.5	B
	Subtotal	1,623	1,564	96.4%	32.3	C
SB	Left Turn	167	148	88.5%	102.4	F
	Through	807	710	88.0%	13.8	B
	Right Turn					
	Subtotal	974	858	88.1%	28.6	C
EB	Left Turn	570	536	94.1%	61.2	E
	Through	47	44	93.8%	49.1	D
	Right Turn	31	26	83.9%	11.5	B
	Subtotal	648	606	93.5%	58.0	E
WB	Left Turn	93	87	93.4%	75.7	E
	Through					
	Right Turn	171	173	101.2%	60.8	E
	Subtotal	264	260	98.5%	65.9	E
Total		3,509	3,288	93.7%	38.5	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 31 US 101 Ramps/Commercial Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	36	98.9%	34.8	C
	Through	435	432	99.3%	31.5	C
	Right Turn	25	24	96.8%	40.5	D
	Subtotal	496	492	99.2%	31.8	C
SB	Left Turn	130	139	106.7%	43.1	D
	Through	25	24	97.2%	37.8	D
	Right Turn	181	181	100.0%	5.0	A
	Subtotal	336	344	102.4%	21.8	C
EB	Left Turn	321	308	95.9%	39.4	D
	Through	66	64	97.6%	24.9	C
	Right Turn	11	10	90.0%	9.8	A
	Subtotal	398	382	96.0%	36.4	D
WB	Left Turn	1	1	120.0%	5.5	A
	Through	45	42	94.2%	50.5	D
	Right Turn	345	344	99.7%	30.5	C
	Subtotal	391	388	99.1%	32.9	C
Total		1,621	1,606	99.0%	31.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 32		Broadway/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	20	21	104.5%	45.8	D
	Through	790	820	103.8%	9.6	A
	Right Turn	72	67	93.3%	23.7	C
	Subtotal	882	908	102.9%	11.7	B
SB	Left Turn	45	57	126.0%	18.9	B
	Through	567	739	130.3%	9.9	A
	Right Turn	45	69	152.2%	10.3	B
	Subtotal	657	864	131.5%	10.5	B
EB	Left Turn	69	69	99.6%	102.8	F
	Through	765	761	99.5%	82.7	F
	Right Turn	21	18	84.8%	67.2	E
	Subtotal	855	848	99.2%	84.8	F
WB	Left Turn	97	84	86.6%	45.1	D
	Through	763	730	95.6%	12.0	B
	Right Turn	243	225	92.4%	9.7	A
	Subtotal	1,103	1,038	94.1%	14.5	B
Total		3,497	3,658	104.6%	29.1	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 33 Spring/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
SB	Left Turn	58	52	90.2%	88.9	F
	Through	518	552	106.6%	51.6	D
	Right Turn	109	92	83.9%	29.6	C
	Subtotal	685	696	101.6%	51.7	D
EB	Left Turn					
	Through	820	822	100.3%	54.6	D
	Right Turn	62	57	91.8%	49.0	D
	Subtotal	882	879	99.7%	54.2	D
WB	Left Turn	49	56	114.1%	8.9	A
	Through	994	957	96.3%	4.6	A
	Right Turn					
	Subtotal	1,043	1,013	97.1%	4.8	A
Total		2,610	2,588	99.2%	34.6	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 34		Main/Temple			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	278	272	97.7%	141.4	F
	Through	1,483	1,388	93.6%	188.8	F
	Right Turn	136	130	95.6%	173.1	F
	Subtotal	1,897	1,789	94.3%	180.3	F
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn	90	88	98.1%	59.5	E
	Through	788	784	99.5%	76.9	E
	Right Turn					
	Subtotal	878	872	99.4%	75.4	E
WB	Left Turn					
	Through	765	739	96.7%	26.9	C
	Right Turn	201	191	95.1%	39.2	D
	Subtotal	966	931	96.3%	29.5	C
Total		3,741	3,592	96.0%	113.7	F

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 35 Los Angeles/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	172	172	99.7%	69.6	E
	Through	897	859	95.8%	72.4	E
	Right Turn	82	79	96.0%	59.7	E
	Subtotal	1,151	1,110	96.4%	71.2	E
SB	Left Turn	97	92	94.8%	48.6	D
	Through	291	276	94.8%	25.7	C
	Right Turn	342	326	95.4%	60.3	E
	Subtotal	730	694	95.1%	45.7	D
EB	Left Turn	134	148	110.7%	66.5	E
	Through	674	657	97.4%	32.3	C
	Right Turn	116	109	93.9%	29.5	C
	Subtotal	924	914	98.9%	37.4	D
WB	Left Turn	71	66	93.2%	43.1	D
	Through	452	436	96.5%	49.7	D
	Right Turn	271	258	95.3%	44.6	D
	Subtotal	794	761	95.8%	47.5	D
Total		3,599	3,478	96.6%	51.8	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 36 San Pedro/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	166	162	97.4%	41.6	D
	Through					
	Right Turn	223	242	108.7%	40.9	D
	Subtotal	389	404	103.9%	41.4	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	822	799	97.3%	19.8	B
	Right Turn	31	27	88.1%	18.1	B
	Subtotal	853	827	96.9%	19.7	B
WB	Left Turn	39	49	124.4%	18.1	B
	Through	628	608	96.8%	10.3	B
	Right Turn					
	Subtotal	667	656	98.4%	10.8	B
Total		1,909	1,887	98.8%	21.5	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 37 Alameda/Temple Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	142	138	97.3%	35.8	D
	Through	1,254	1,193	95.1%	34.0	C
	Second Right					
	Subtotal	1,396	1,331	95.4%	34.3	C
SB	Left Turn	47	38	80.6%	79.2	E
	Through	708	562	79.4%	9.1	A
	Second Right					
	Subtotal	1,030	818	79.4%	12.7	B
EB	Left Turn	235	245	104.0%	52.7	D
	Through	576	583	101.2%	44.2	D
	Second Right					
	Subtotal	1,045	1,042	99.7%	55.3	E
WB	Left Turn	32	32	101.3%	114.9	F
	Through	250	270	107.9%	69.5	E
	Second Right					
	Subtotal	416	442	106.3%	75.4	E
Total		3,887	3,633	93.5%	40.4	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 38 Los Angeles/1st Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	36	34	95.3%	45.6	D
	Through	976	980	100.4%	71.2	E
	Right Turn	62	63	100.8%	70.0	E
	Subtotal	1,074	1,077	100.3%	70.4	E
SB	Left Turn	44	40	90.7%	38.6	D
	Through	413	394	95.4%	19.6	B
	Right Turn	21	17	82.4%	5.6	A
	Subtotal	478	451	94.4%	20.7	C
EB	Left Turn	62	31	49.7%	47.1	D
	Through	854	718	84.1%	94.4	F
	Right Turn	51	38	73.9%	59.4	E
	Subtotal	967	787	81.4%	90.6	F
WB	Left Turn	15	15	100.0%	39.7	D
	Through	504	519	102.9%	21.8	C
	Right Turn	113	110	97.0%	11.0	B
	Subtotal	632	643	101.8%	20.5	C
Total		3,151	2,958	93.9%	57.4	E

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 39

San Pedro/1st

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	10	20	198.0%	27.4	C
	Through	302	301	99.7%	28.9	C
	Right Turn	44	43	96.8%	29.7	C
	Subtotal	356	364	102.1%	28.8	C
SB	Left Turn	15	13	89.3%	37.6	D
	Through	40	32	79.3%	26.5	C
	Right Turn	15	30	198.7%	40.6	D
	Subtotal	70	75	107.0%	33.7	C
EB	Left Turn	15	31	204.0%	20.4	C
	Through	926	794	85.8%	33.9	C
	Right Turn	19	15	81.1%	5.9	A
	Subtotal	960	840	87.5%	32.9	C
WB	Left Turn	31	29	92.6%	21.1	C
	Through	607	594	97.8%	9.3	A
	Right Turn	72	74	102.8%	7.5	A
	Subtotal	710	697	98.1%	9.6	A
Total		2,096	1,975	94.2%	23.8	C

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 40		Central/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	154	154	100.1%	35.4	D
	Through					
	Right Turn	22	23	106.4%	42.9	D
	Subtotal	176	178	100.9%	35.8	D
SB	Left Turn					
	Through					
	Right Turn					
	Subtotal					
EB	Left Turn					
	Through	970	849	87.6%	55.6	E
	Right Turn	15	14	94.7%	34.6	C
	Subtotal	985	864	87.7%	55.3	E
WB	Left Turn	16	15	92.5%	16.1	B
	Through	556	557	100.1%	3.8	A
	Right Turn					
	Subtotal	572	572	99.9%	4.1	A
Total		1,733	1,613	93.1%	35.1	D

Vissim Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Union Station Master Plan
Alternative 2
PM Peak Hour

Intersection 41		Alameda/1st			Signal	
Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)	
			Average	Percent	Average	LOS
NB	Left Turn	75	74	99.1%	29.0	C
	Through	923	921	99.8%	19.9	B
	Right Turn	122	120	98.4%	9.6	A
	Subtotal	1,120	1,116	99.6%	19.4	B
SB	Left Turn	35	29	83.1%	32.4	C
	Through	788	719	91.2%	16.9	B
	Right Turn	151	136	89.8%	8.9	A
	Subtotal	974	884	90.7%	16.0	B
EB	Left Turn	396	339	85.7%	39.0	D
	Through	486	441	90.7%	21.0	C
	Right Turn	110	93	84.2%	19.9	B
	Subtotal	992	873	88.0%	27.9	C
WB	Left Turn					
	Through	346	362	104.7%	41.5	D
	Right Turn	77	80	103.5%	12.3	B
	Subtotal	423	442	104.5%	36.0	D
Total		3,509	3,314	94.4%	23.0	C