APPENDIX B CONSTRUCTION ASSUMPTIONS

- Construction Assumptions
- Rope Pulling and System Testing

Memorandum

APPENDIX B CONSTRUCTION ASSUMPTIONS

- Construction Assumptions



April 8, 2022

David DeRosa Associate Vice President AECOM 900 South Grand, Suite 900 Los Angeles, CA 90071

Re: Los Angeles Aerial Rapid Transit Project: Construction Assumptions

Dear Mr. DeRosa:

Aerial Rapid Transit Technologies LLC ("ARTT") proposes to construct the Los Angeles Aerial Rapid Transit Project ("LA ART" or "Project").

Construction Phasing and Anticipated Closures

Construction of each station, junction, and tower is anticipated to occur over several phases: construction of piles, foundations and columns; structural steel and gondola equipment erection; vertical circulation, hardscape, landscape, interior work, and the required roadway asphalt and re-striping to support the Project. An overview of this phasing and area conditions, including anticipated closures, is included as Exhibit 1 to this memorandum. For each of the Project components (Alameda Station, Alameda Tower, Alpine Tower, Chinatown / State Park Station, Broadway Junction, Stadium Tower, and Dodger Stadium Station), Exhibit 1 includes detail on each phase of construction and provides additional information as to the anticipated duration of each phase, potential closure conditions and descriptions, estimated structural details, anticipated construction and staging zones, estimated foundation and pile locations, and potentially impacted utilities. The information about potential closure conditions and descriptions was coordinated with Fehr & Peers.

Alameda Station

As shown in Exhibit 1, there are two potential options for construction of Alameda Station, depending on whether or not Metro's Lot B, an existing approximately 60-space parking lot in front of the Union Station Terminal and the future location of the Union Station Forecourt ("Lot B"), may be utilized for construction staging and location of the crane to be used during Alameda Station's construction. If ARTT utilizes Lot B, the construction would include the installation and use of a temporary deck spanning over Alameda Street during the structural steel and gondola equipment erection phase. Two additional construction phases are included under this option for the temporary deck's installation and its subsequent removal. Once installed, the temporary deck would allow certain lanes to remain open full-time during the structural steel and gondola equipment erection phase, and provide protection for pedestrians on Alameda Street. If



Lot B is not utilized for staging, the temporary deck would not be able to be installed due to the required proximity of the crane to the construction zone. For the structural steel and gondola equipment erection phase, this option would require the closure of additional lanes during construction hours so that the crane could be assembled and remain in the road until the phase is complete. During non-construction hours, certain lanes would remain open that were not impacted by the location of the crane.

Under either option, construction of Alameda Station would not impact pedestrian access to Union Station.

Broadway Junction

Construction of the Broadway Junction will also utilize a temporary deck in order to reduce lane closures along Bishops Road and North Broadway. Two phases of construction are included for the deck's installation and its subsequent removal. Once installed, the temporary deck would allow certain lanes to remain open full-time during the structural steel and gondola equipment erection phase, and provide protection for pedestrians on Bishops Road and North Broadway.

Construction Equipment, Number of Construction Workers, Shuttle and Truck Trips, Excavation and Haul Amounts

Assumptions regarding construction equipment (including type, quantity, and frequency of use), typical number of truck trips, typical number of construction workers, typical number of shuttle trips for construction workers, peak number of truck trips during either concrete pour or steel delivery, excavation depths, depths of site work, excavation amounts, haul amounts, and amount of materials (including soils) reused on site for the construction of LA ART are included in Exhibit 2 (including the assumptions for construction with the temporary deck at Alameda Station) and Exhibit 3 (including the assumptions for construction without the temporary deck at Alameda Station) to this memorandum.

Construction Power Draw Estimates

PCL estimates that construction of the Project would result in a demand of approximately 864,544 kWh of electricity from the grid, with a peak day total of approximately 1,977 kW. This demand would be temporary, and in some cases would supplant electricity that would have otherwise been provided by an alternate energy source (e.g., diesel generators).

Construction Worker Parking and Staging at the Dodger Stadium Property

PCL anticipates that construction worker parking would be provided on- and off-site depending on the phase of construction and the availability of on-site parking. Off-site parking facilities could include parking lots close to construction sites. The Dodger Stadium property may also be used for construction worker parking and construction staging. When construction worker parking is off-site, or construction workers are parked at Dodger Stadium, but are working on



station components elsewhere along the Project alignment, a temporary shuttle may be operated for construction workers to and from the designated off-site parking location. Limited on-site parking will be made available for site visitors, deliveries, and inspectors.

The Dodger Stadium property may be used as a construction staging location, including for staging of the gondola system. Included as Exhibit 4 is the potential location for construction and gondola system staging on the Mesa Lot. Construction staging would include construction trailers for construction management use with corresponding parking for construction management, use during construction hours, and a laydown area. Gondola system staging on the Mesa Lot would include receipt of containers containing the gondola system and assembly and staging of the gondola system. If locations closer to the construction sites are able to be utilized for construction staging, they may also be used as a possible staging location.

Parking spaces will be temporarily removed at Dodger Stadium for Project construction. For construction of Dodger Stadium Station, 105 spaces would be removed during the Foundations and Columns and Structural Steel and Gondola Equipment Erection phases, and 252 spaces would be removed for the Vertical Circulation/Hardscape and Landscape/Interior Work phase. In addition, the Mesa Lot would be used for overall Project construction and gondola system staging, including construction trailers, laydown, and staging areas. 713 parking spaces would be temporarily removed in the Mesa Lot. Additional parking spaces at Dodger Stadium would also be temporarily closed for construction worker parking.

Overview of Estimated Utility Relocation Details

Utility relocations are anticipated to occur prior to the start of the construction. Exhibit 2 (including the assumptions for utility relocations with the temporary deck at Alameda Station) and Exhibit 3 (including the assumptions for utility relocations without the temporary deck at Alameda Station) include an overview of the required utility relocations that are anticipated for the construction of the Project. The following table provides an overview of estimated utility relocation details for LA ART, including the utility relocation duration for each component, maximum depth of excavation, amount of excavation, and amount of materials exported:



Estimated Utility Relocation Details

Component	Utility Relocation Duration (Weeks)	Maximum Depth of Excavation (Feet)	Amount of Excavation (Cubic Yards)	Amount of Materials Exported (Cubic Yards)
Alameda Station	7	10	1,000	1,000
Alameda Tower	2	10	160	160
Alpine Tower	3	10	1,000	1,000
Chinatown / State Park Station	2	10	160	160
Broadway Junction	8	10	111	111
Stadium Tower	3	10	3,500	3,500
Dodger Stadium Station	5	10	1,600	1,600

Schedule

Construction of LA ART stations, junction and towers may partially overlap in schedule, especially since construction would occur at physically separated sites, with consideration of available materials, work crew availability, and coordination of closures. Construction is anticipated to take approximately 25 months, including construction, cable installation, and system testing.

A graphic description of the potential construction schedules are included as Exhibit 5 to this memorandum.

Overview of Construction Details



The following table provides an overview of construction details for LA ART, including the construction duration for each component, maximum depth of drilled piles beneath the pile cap, maximum depth of excavation, amount of excavation, and amount of materials exported:

Construction Details

Component	Construction Duration (Months)	Maximum Depth of Drilled Piles Beneath Pile Cap (Feet)	Maximum Depth of Excavation (Feet)	Amount of Excavation (Cubic Yards)	Amount of Materials Exported (Cubic Yards)
Alameda Station	17	125	10	2,728	2,295
Alameda Tower	12	120	10	2,850	2,292
Alpine Tower	11	120	10	3,606	2,887
Chinatown / State Park Station	19	80	10	6,267	4,567
Broadway Junction	19	120	7	6,407	5,379
Stadium Tower	12	120	7	1,286	1,202
Dodger Stadium Station	20	55	42	44,313	44,001

Sincerely,

PCL Construction Services, Inc.

Austin Wheelon Preconstruction Manager

AGW

cc: EM, AY

EXHIBIT 1 Overview of Construction Phasing and Area Conditions

Alameda Station with Temporary Deck | Existing

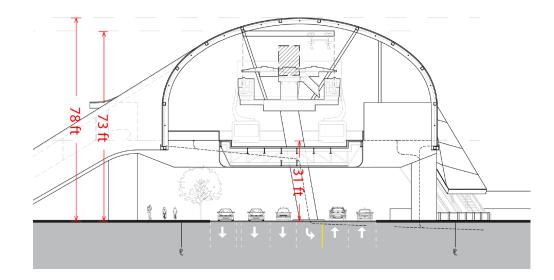
Existing Conditions with Esplanade

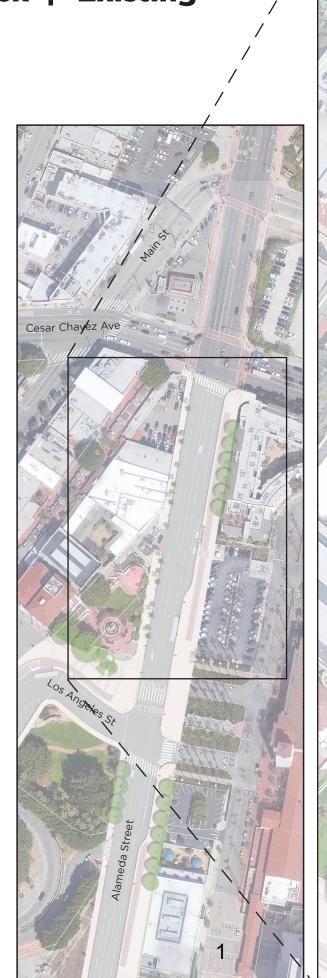
Planned conditions for Metro's proposed Esplanade at the proposed location for Alameda Station:

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/ NB curbside drop off lane
- 2 SB through lanes

Existing conditions for Cesar Chavez Avenue at the proposed location for Alameda Station:

- 1 EBL turn lane
- 2 EB through lanes
- 1 EBR turn lane
- 1 WBL turn lane
- 2 WB through lanes
- 1 WB through-right lane







Foundations and Columns 16 weeks

Required area for Construction 48,600 sqft

Alameda Street

Portion of lanes shortened but not closed

• 2 NB through lanes

Lanes and sidewalks closures

- 1 NBL turn lane
- 1SB through lane
- NB curbside drop off

Lanes and sidewalks to remain open

- 1 NB through-right lane
- 1SB through lane
- Both sidewalks
- Esplanade 2-way bike path

Cesar Chavez Avenue

Lanes and sidewalks closures

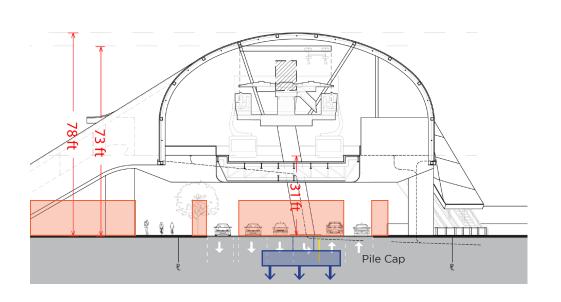
• 1 WBL turn lane

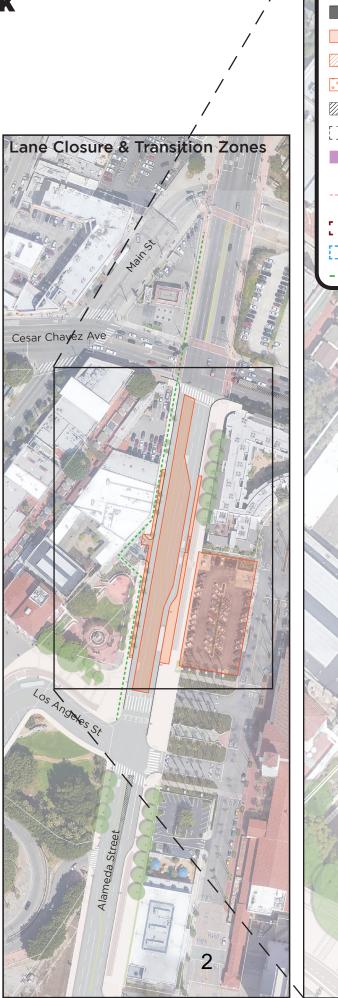
Lanes and sidewalks to remain open

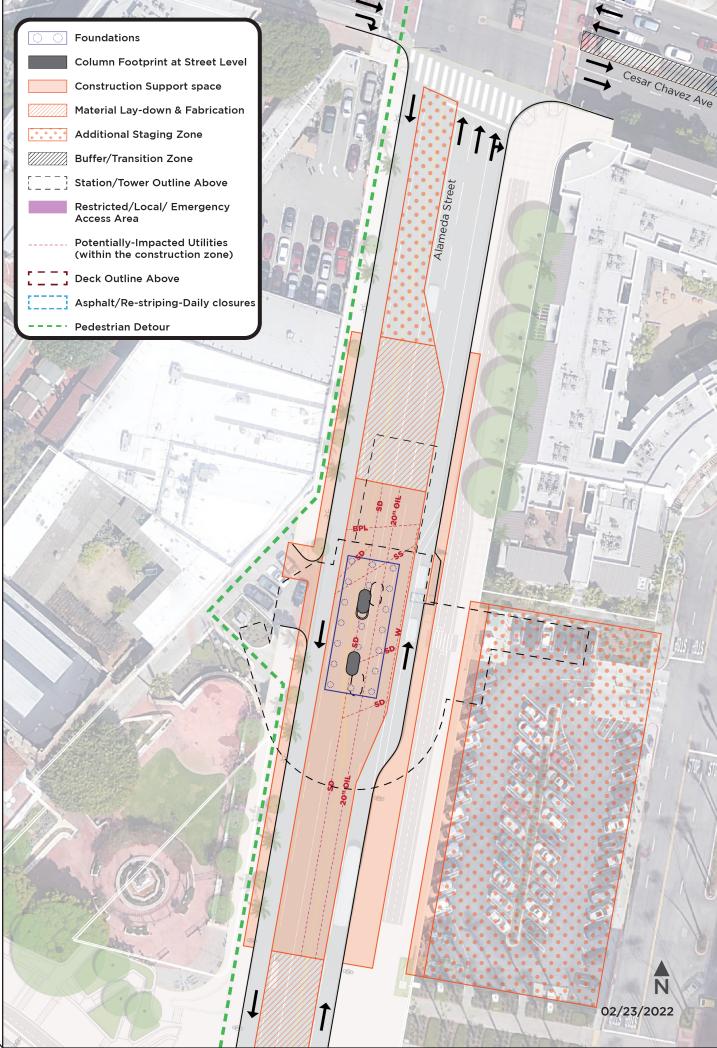
- 1 EBL turn lane
- 2 EB through lanes
- 1 EBR turn lane
- 2 WB through lanes
- 1 WB through-right lane

Pile Overview

21 total piles; each 4' DIA, up to 125 ft deep below the pile cap







Deck Shoring, Cribbing & Erection 2 weeks

Required area for Construction 51,500 sqft

Alameda Street

Lanes and sidewalks closures

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/
 NB curbside drop off lane
- 2 SB through lanes

Lanes and sidewalks to remain open

- No lanes open
- Both sidewalks (Pedestrian traffic will be controlled)
- Esplanade 2-way bike path

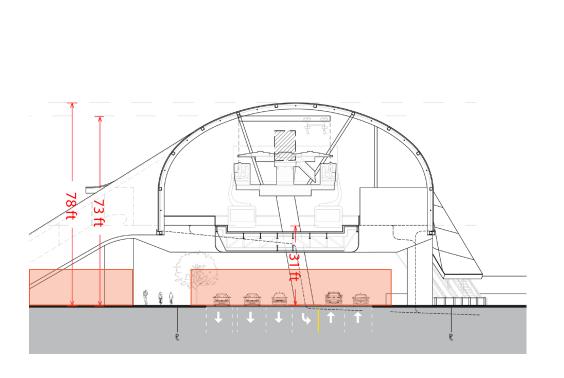
Cesar Chavez Avenue

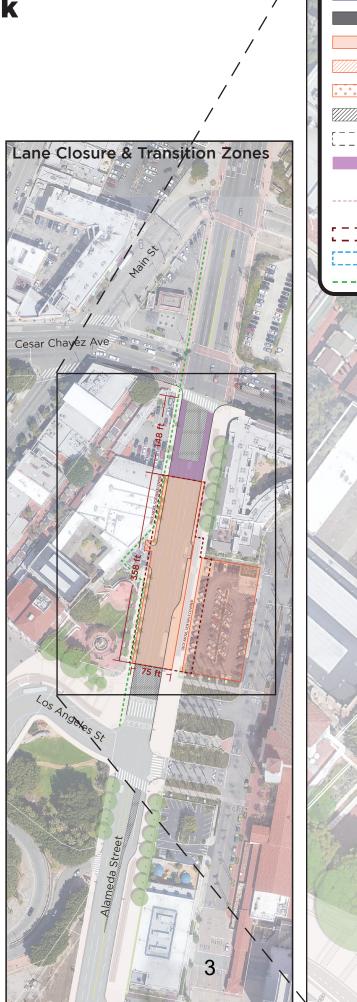
Lanes and sidewalks closures

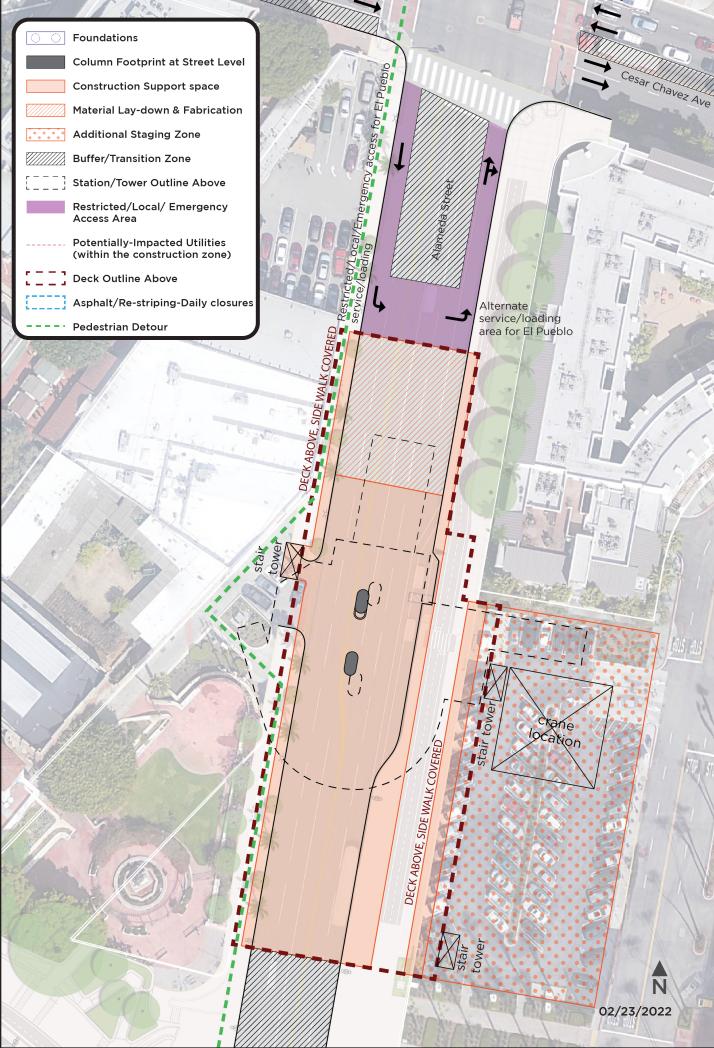
- 1 WBL turn lane
- 1 EBR turn lane

Lanes and sidewalks to remain open

- 1 EBL turn lane
- 2 EB through lanes
- 2 WB through lanes
- 1 WB through-right lane







Structural Steel and Gondola Equipment Erection 28 weeks

Required area for Construction 40,500 sqft

Alameda Street

Portion of lanes shortened but not closed

- 1 NBL turn lane
- 1 NB through lane

Lanes and sidewalks closures

- Partial West sidewalk detour required
- NB curbside drop off

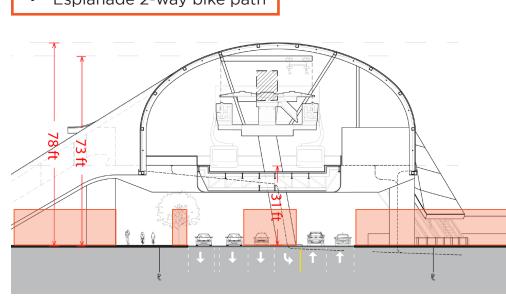
Lanes and sidewalks to remain open

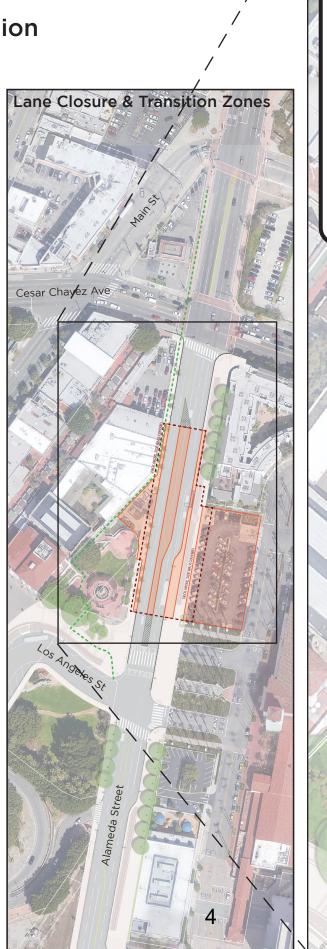
- 1 NB through lane
- 1 NB through-right lane
- 2 SB through lanes
- East sidewalk
- Esplanade 2-way bike path

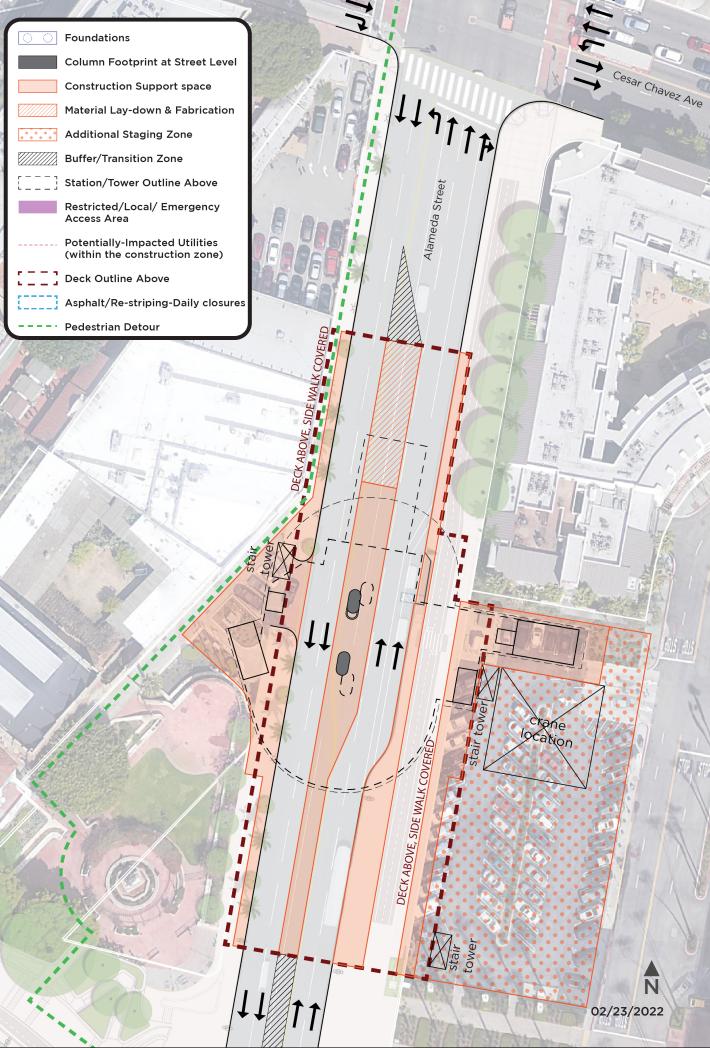
Cesar Chavez Avenue

Lanes and sidewalks to remain open

All lanes







Deck Removal

3 weeks (Overlaps with Vertical Circulation/ Hardscape and Landscape/ Interior Work)

Required area for Construction 55,600 sqft

Alameda Street

Lanes and sidewalks closures

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/
 NB curbside drop off lane
- 2 SB through lanes
- Partial West sidewalk detour required

Lanes and sidewalks to remain open

- No lanes open
- East sidewalk
- Esplanade 2-way bike path

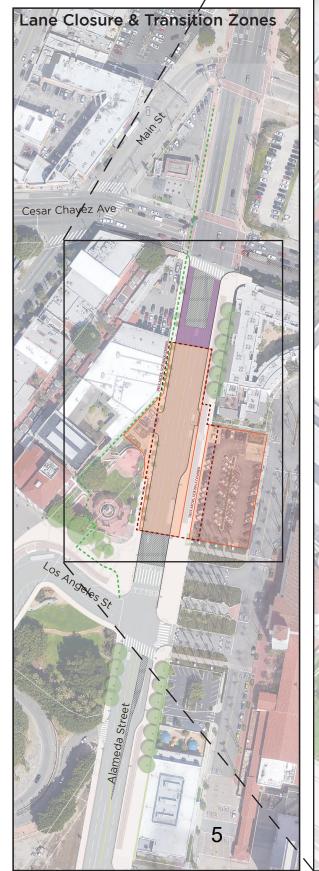
Cesar Chavez Avenue

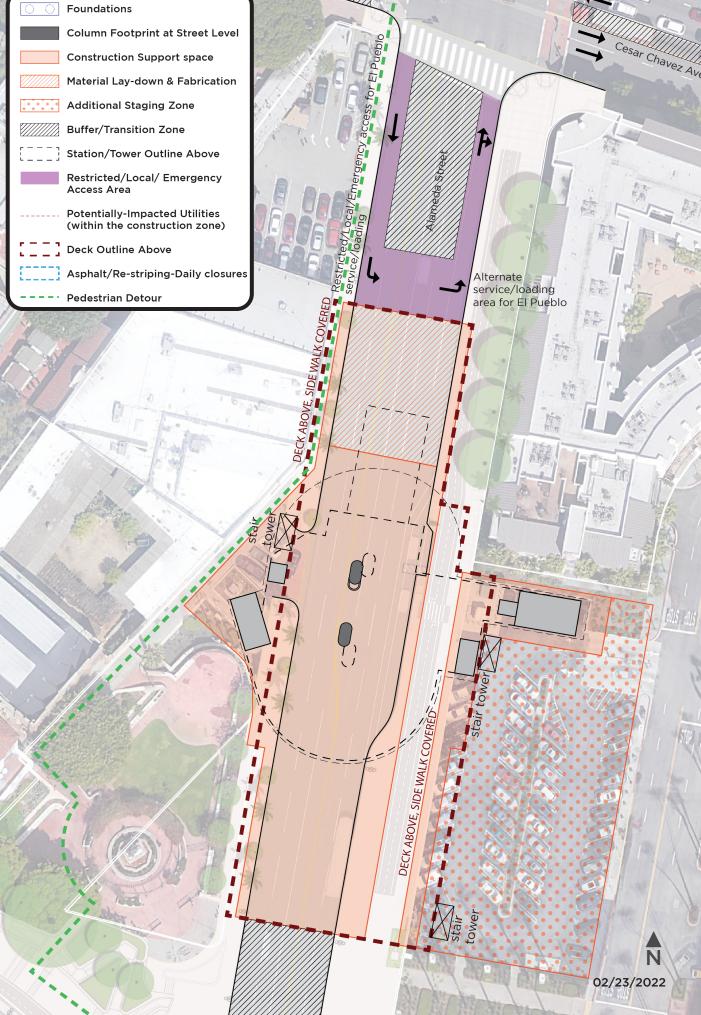
Lanes and sidewalks closures

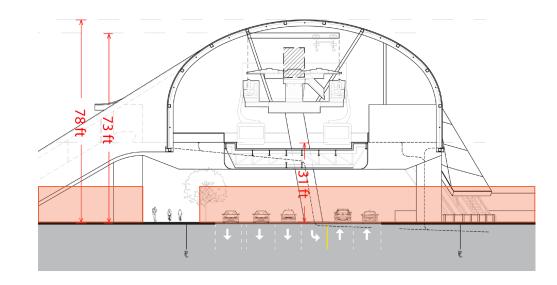
- 1 WBL turn lane
- 1 EBR turn lane

Lanes and sidewalks to remain open

- 1 EBL turn lane
- 2 EB through lanes
- 2 WB through lanes
- 1 WB through-right lane







Vertical Circulation/ Hardscape and Landscape/ Interior Work 27 weeks



Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 4-week duration period

Required area for Construction 35,000 sqft

Alameda Street

Lanes and sidewalks closures

- No lane closures, except for asphalt/ re-striping closures
- NB curbside drop off
- Partial West sidewalk detour required

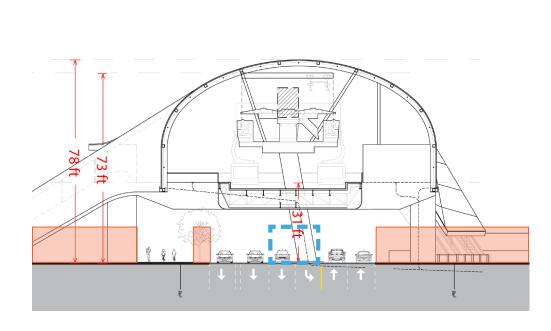
Lanes and sidewalks to remain open

- All lanes
- East sidewalk
- Esplanade 2-way bike path

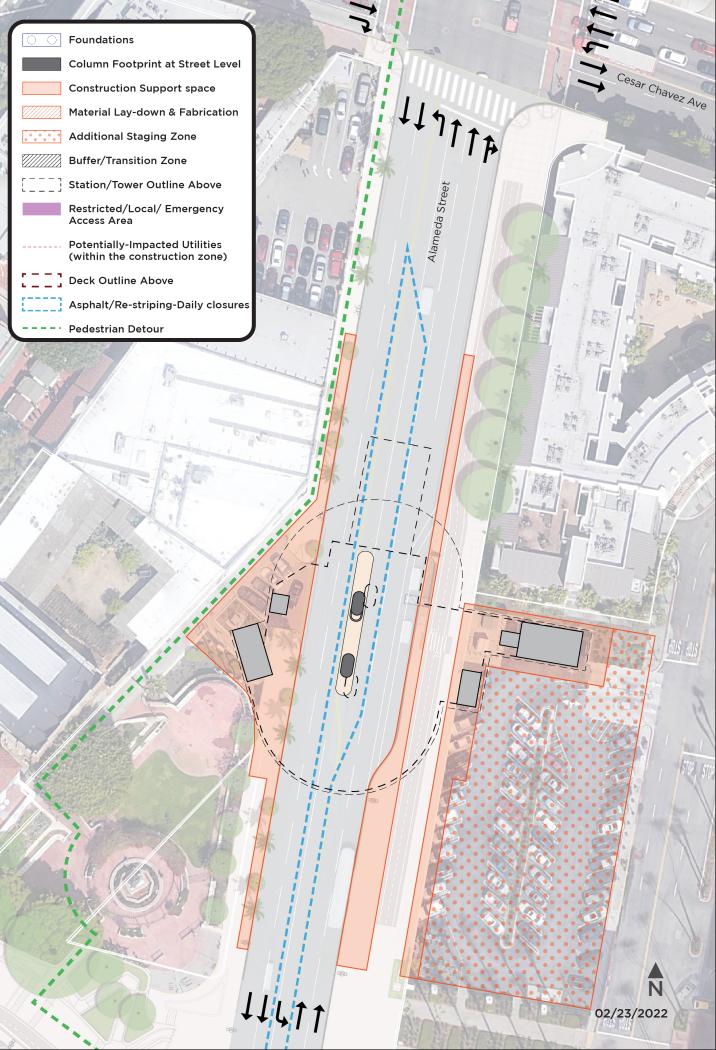
Cesar Chavez Avenue

Lanes and sidewalks to remain open

All lanes







Alameda Station with Temporary Deck | Build-Out

Build-Out Conditions with Esplanade

Build-out conditions with Metro's proposed Esplanade at the proposed location for Alameda Station:

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/ NB curbside drop off lane
- 2 SB through lanes

Build-out conditions for Cesar Chavez Avenue at the proposed location for Alameda Station:

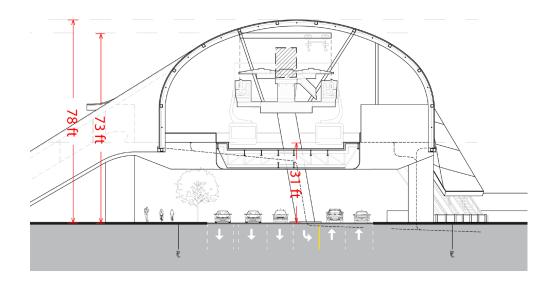
- 1 EBL turn lane
- 2 EB through lanes
- 1 EBR turn lane
- 1 WBL turn lane
- 2 WB through lanes
- 1 WB through-right lane

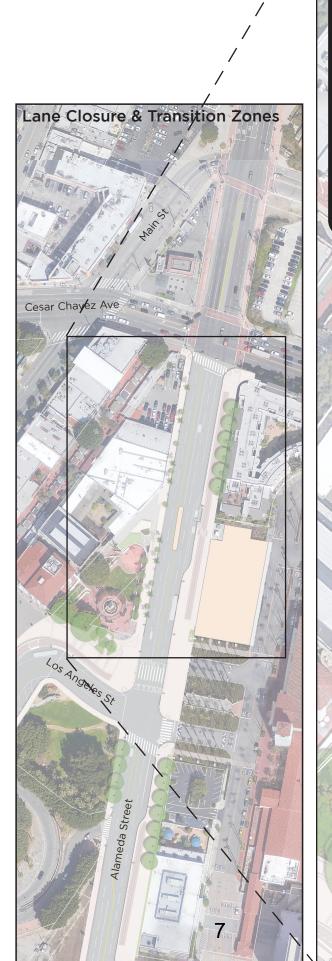
New raised median introduced within the northbound left-turn lane onto Cesar Chavez Avenue

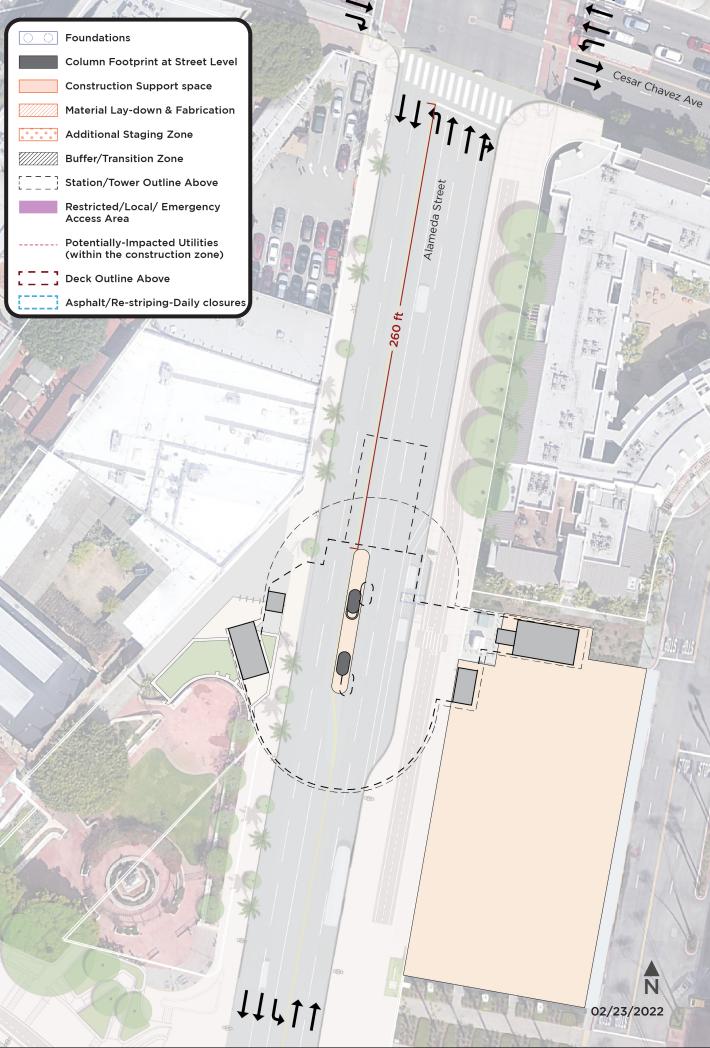
Minor reduction to left turn pocket storage.

Vertical circulation for Alameda Station access

Vertical circulation elements (i.e. elevators, escalators, stairs) for pedestrian access to the Alameda Station introduced at-grade on the Union Station property and El Pueblo property.







Alameda Station without Temporary Deck | Existing

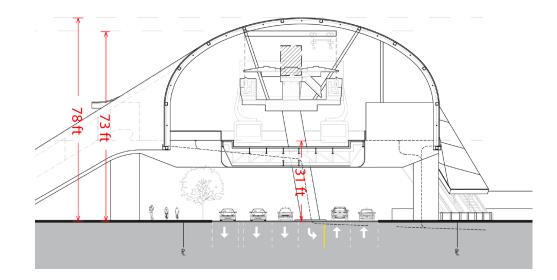
Existing Conditions with Esplanade

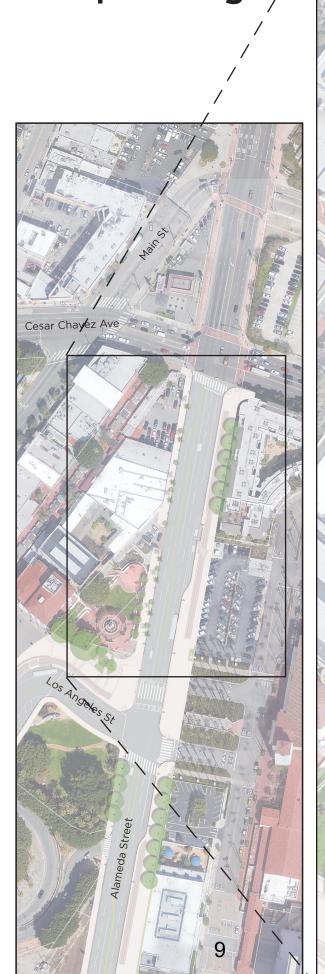
Planned conditions for Metro's proposed Esplanade at the proposed location for Alameda Station:

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/ NB curbside drop off lane
- 2 SB through lanes

Existing conditions for Cesar Chavez Avenue at the proposed location for Alameda Station:

- 1 EBL turn lane
- 2 EB through lanes
- 1 EBR turn lane
- 1 WBL turn lane
- 2 WB through lanes
- 1 WB through-right lane







Foundations and Columns 16 weeks

Required area for Construction 16,900 sqft

Alameda Street

Portion of lanes shortened but not closed

- 1 NBL turn lane
- 2 NB through lanes

Lanes and sidewalks closures

- 2 SB through lanes
- NB curbside drop off

Lanes and sidewalks to remain open

- 1 NB through-right lane
- Both sidewalks
- Esplanade 2-way bike path

Cesar Chavez Avenue

Lanes and sidewalks closures

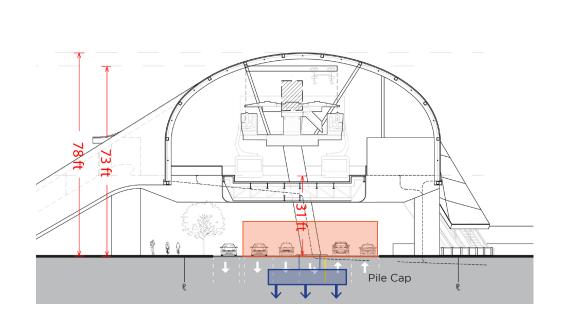
- 1 WBL turn lane
- 1 EBR turn lane

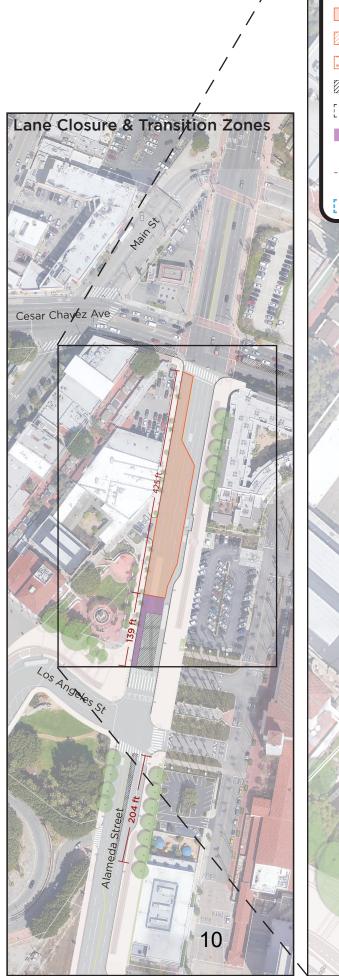
Lanes and sidewalks to remain open

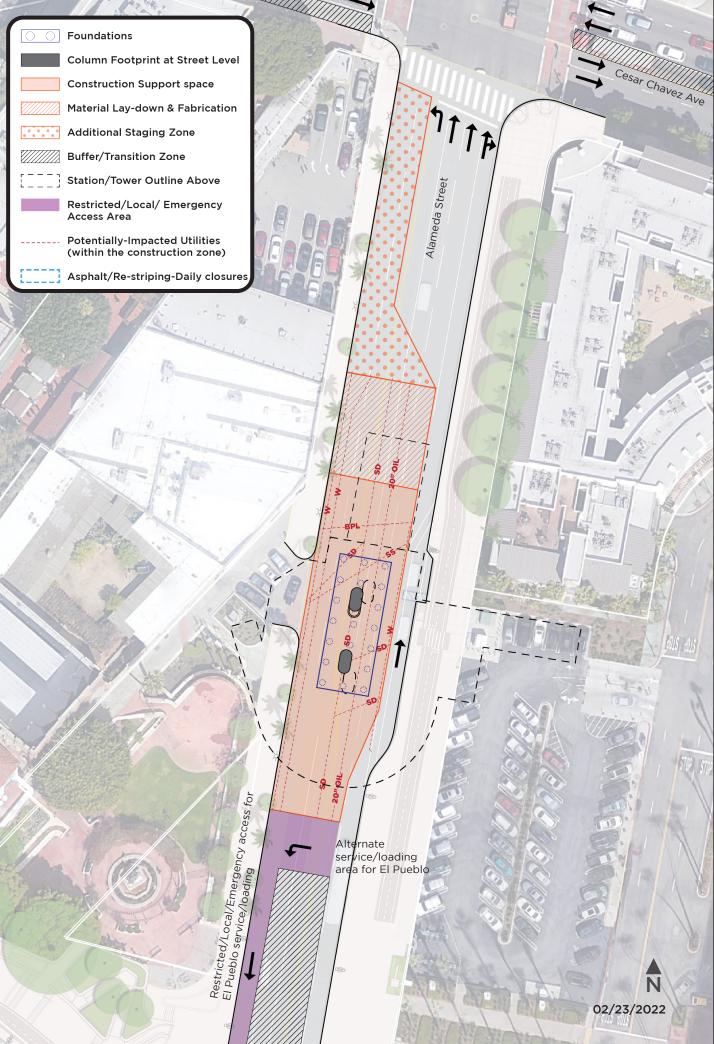
- 1 EBL turn lane
- 2 EB through lanes
- 2 WB through lanes
- 1 WB through-right lane

Pile Overview

21 total piles; each 4' DIA, up to 125 ft deep below the pile cap





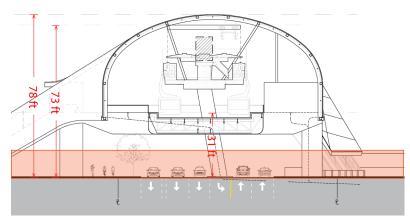


Structural Steel and Gondola Equipment Erection 30 weeks (Includes 2 more weeks than the Deck Option to account for traffic coordination)

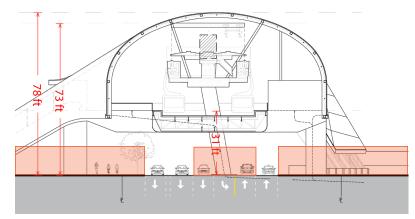
During Structural Steel and Gondola Equipment Erection, the Construction Zone and lane closure areas will vary depending on the construction site activity.

This will result in two alternating conditions over a period of 30 weeks:

- 1. 10-hrs/day for construction hours
- 2. 14-hrs/day for non-construction hours

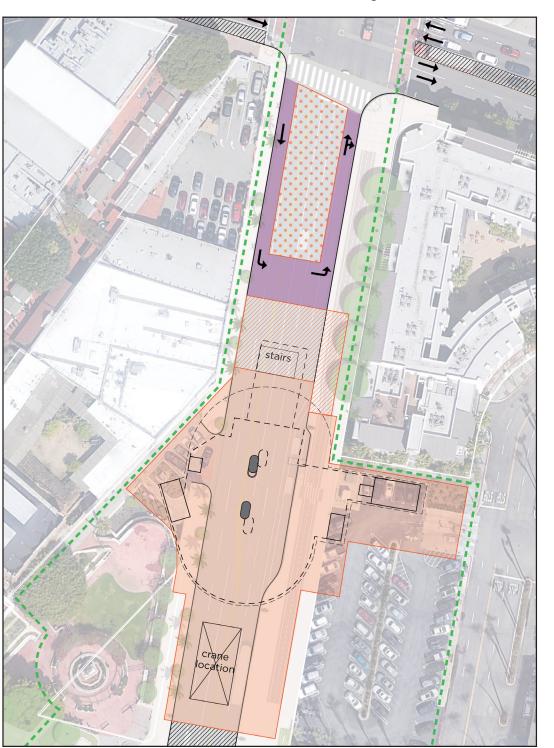


Construction Hours

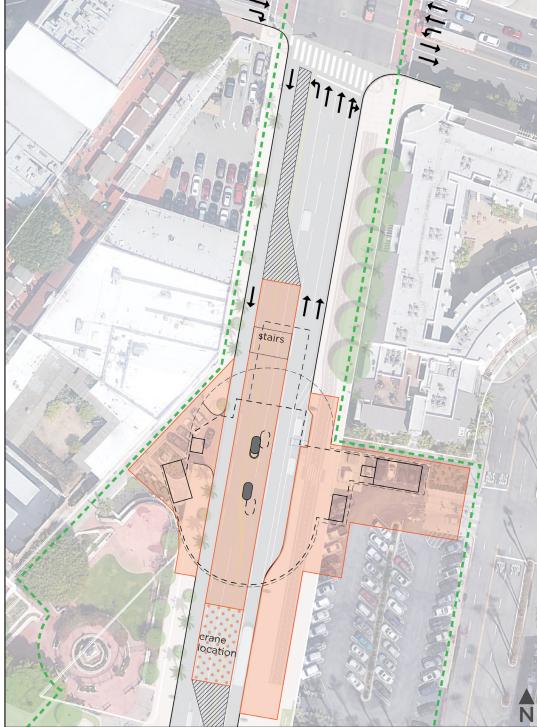


Non-Construction Hours

Construction Hours | 10 hrs/day



Non-Construction Hours | 14 hrs/day



11 02/23/2022

Alameda Station without Temporary Deck | Construction Hours

Structural Steel and Gondola Equipment Erection

30 weeks (Includes 2 more weeks than the Deck Option to account for traffic coordination), 10 hrs/day

Required area for Construction during construction hours 44,900 sqft

Alameda Street

Lanes and sidewalks closures during construction hours

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/ NB curbside drop off lane
- 2 SB through lanes
- Partial sidewalk detours required
- Esplanade 2-way bike path

Lanes and sidewalks to remain open during construction hours

• No lanes open

Cesar Chavez Avenue

Lanes and sidewalks closures

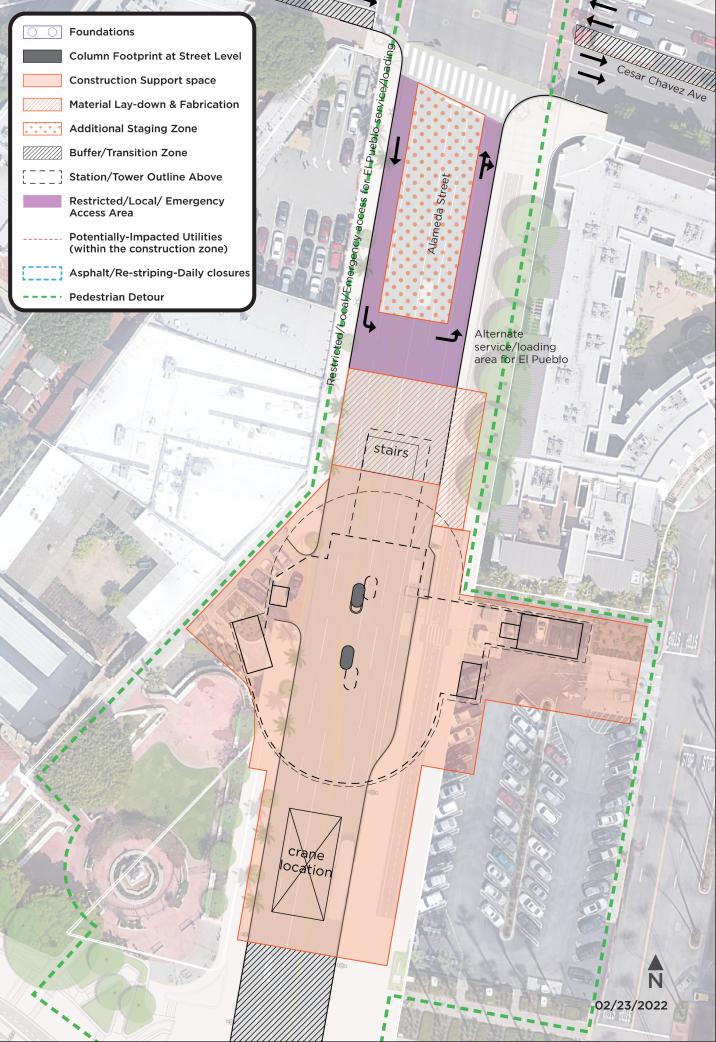
- 1 WBL turn lane
- 1 EBR turn lane

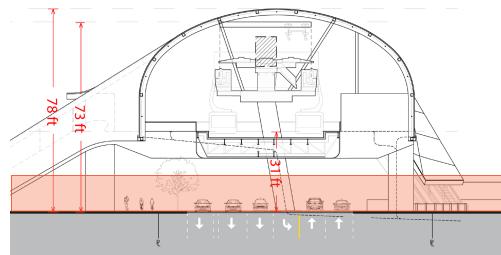
Lanes and sidewalks to remain open

- 1 EBL turn lane
- 2 EB through lanes
- 2 WB through lanes
- 1 WB through-right lane









Alameda Station without Temporary Deck | Non-Construction Hours

Structural Steel and Gondola Equipment Erection

30 weeks (Includes 2 more weeks than the Deck Option to account for traffic coordination), 14 hrs/day

Required area for Construction during non-construction hours 28,600 sqft

Alameda Street

Portion of lanes shortened but not closed

- 1 NBL turn lane
- 1 NB through lane

Lanes and sidewalks closures during nonconstruction hours

- 1SB through lane
- Partial sidewalk detours required
- Esplanade 2-way bike path
- NB curbside drop off

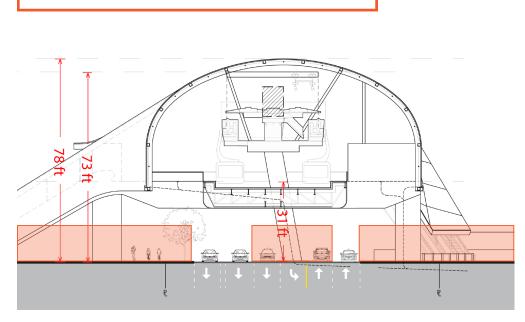
Lanes and sidewalks to remain open during non-construction hours

- 1 NB through lane
- 1 NB through-right lane
- 1 SB through lane

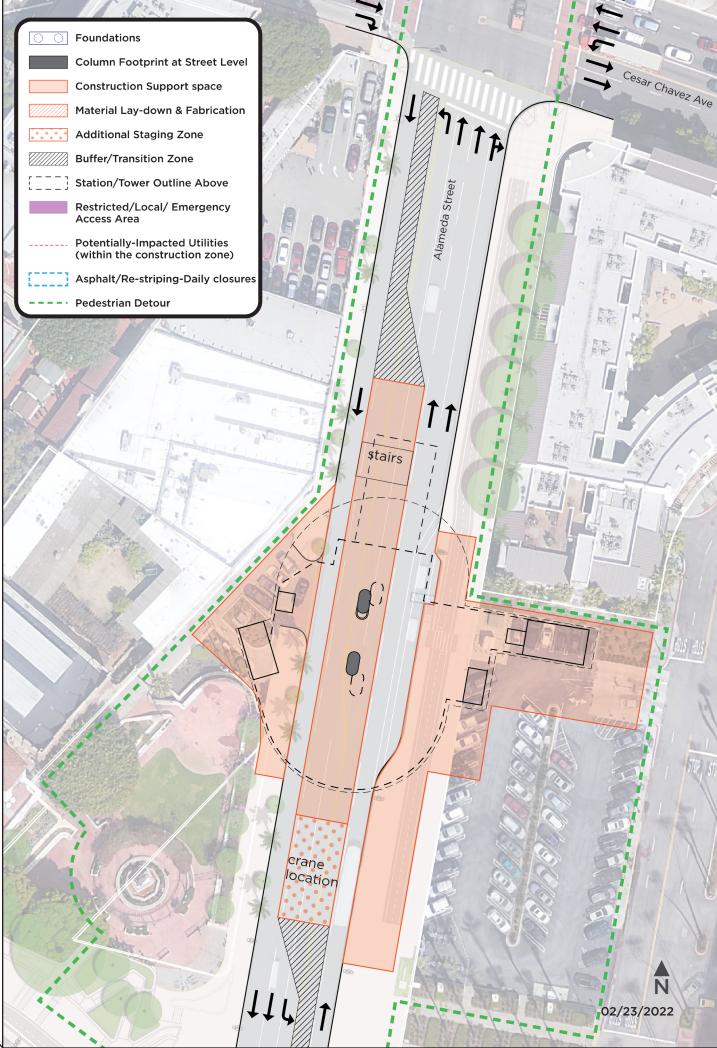
Cesar Chavez Avenue

Lanes and sidewalks to remain open

All lanes







Vertical Circulation/ Hardscape and Landscape/ Interior Work 27 weeks



Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 4-week duration period

Required area for Construction 37,100 sqft

Alameda Street

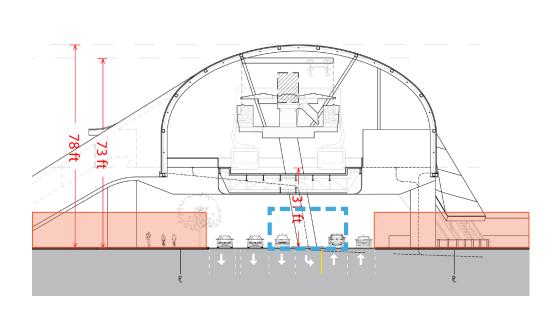
Lanes and sidewalks closures

- No lane closures, except for asphalt/ re-striping closures
- NB curbside drop off
- Partial sidewalk detours required
- Esplanade 2-way bike path

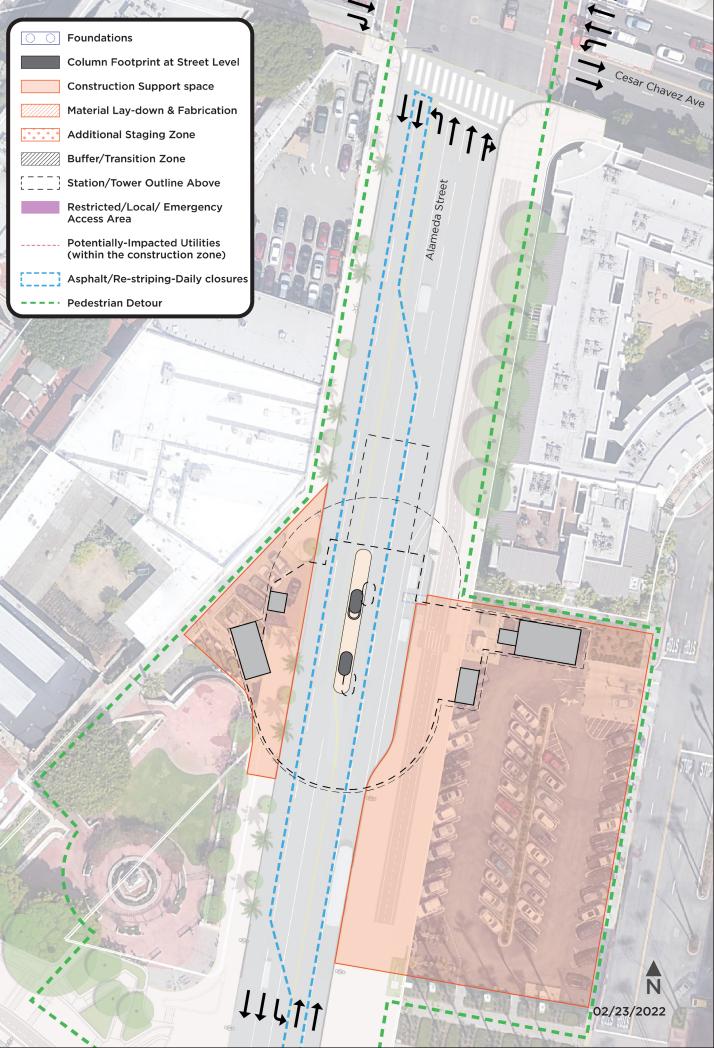
Cesar Chavez Avenue

Lanes and sidewalks to remain open

All lanes







Alameda Station without Temporary Deck | Build-Out

Build-Out Conditions with Esplanade

Build-out conditions with Metro's proposed Esplanade at the proposed location for Alameda Station:

- 1 NBL turn lane
- 2 NB through lanes
- 1 NB through-right lane/ NB curbside drop off lane
- 2 SB through lanes

Build-out conditions for Cesar Chavez Avenue at the proposed location for Alameda Station:

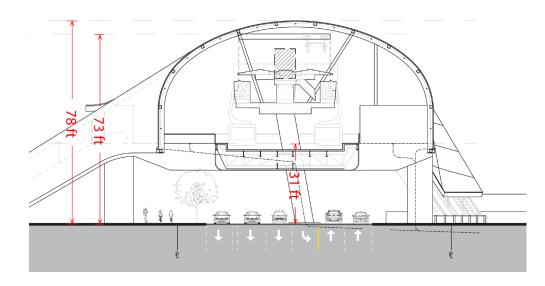
- 1 EBL turn lane
- 2 EB through lanes
- 1 EBR turn lane
- 1 WBL turn lane
- 2 WB through lanes
- 1 WB through-right lane

New raised median introduced within the northbound left-turn lane onto Cesar Chavez Avenue

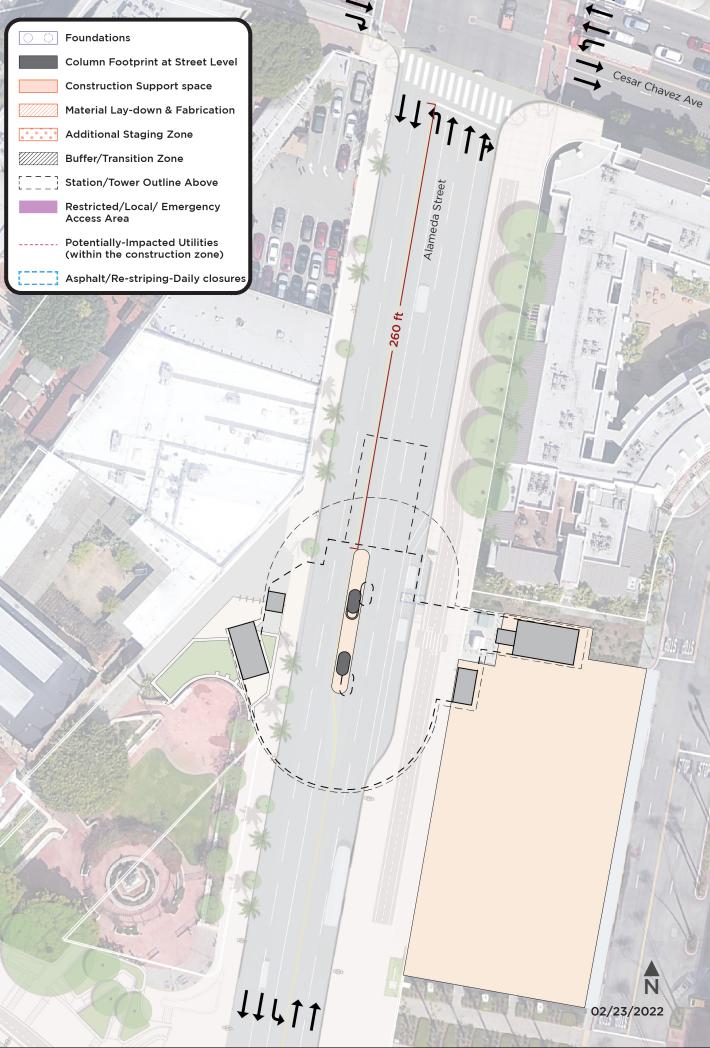
Minor reduction to left turn pocket storage.

Vertical circulation for Alameda Station access

Vertical circulation elements (i.e. elevators, escalators, stairs) for pedestrian access to the Alameda Station introduced at-grade on the Union Station property and El Pueblo property.







Alameda Tower | Existing

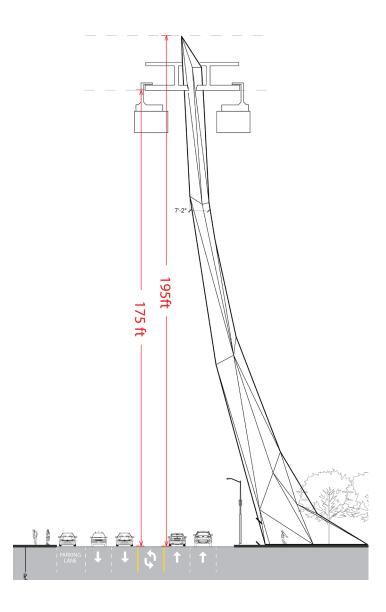
Existing Conditions

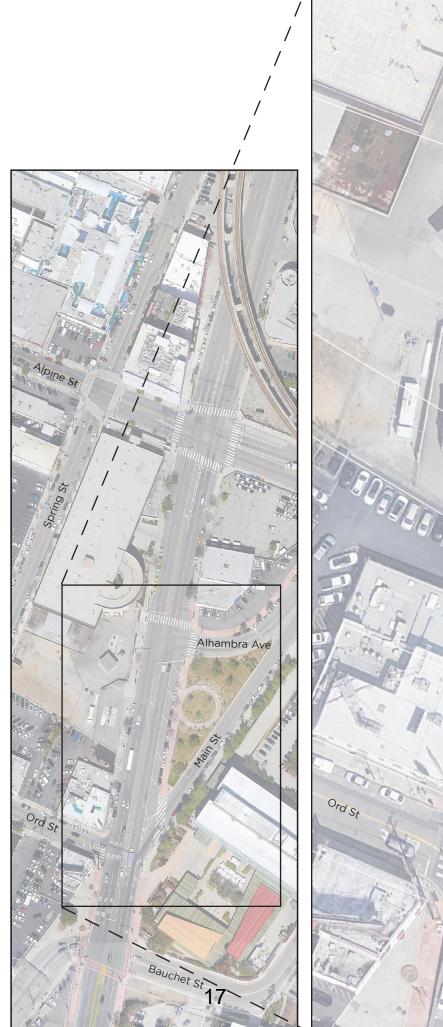
Existing conditions for Alameda at the proposed location for Alameda Tower:

- 1 NBL turn lane
- 2 NB through lanes
- 3 SB through lanes

Existing conditions for Alhambra at the proposed location for Alameda Tower:

- 1 WBL turn lane
- 1 shared WBL/ WBR turn lane







Alameda Tower

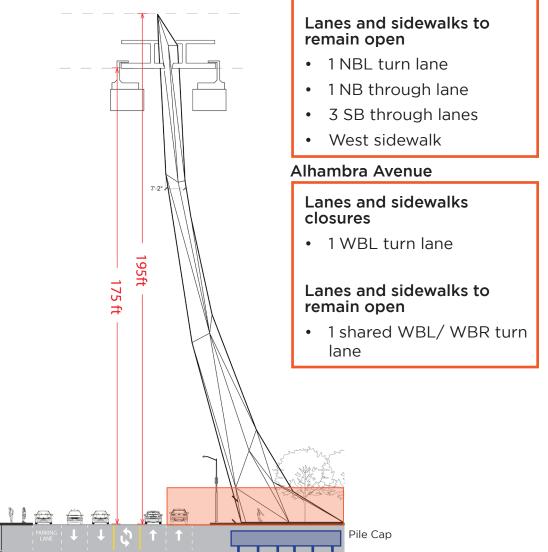
Foundations and Columns for 16 weeks Weeks 1 - 3 of 26 total weeks of Structural Steel and Gondola Equipment Erection

Weeks 1 - 3 of Structural Steel and Gondola Equipment Erection include construction of the first 25 feet of the Alameda Tower. Closures associated with this work are the same as those reflected on this sheet for the Foundations and Columns.

Required area for Construction 34,900 sqft

Pile Overview

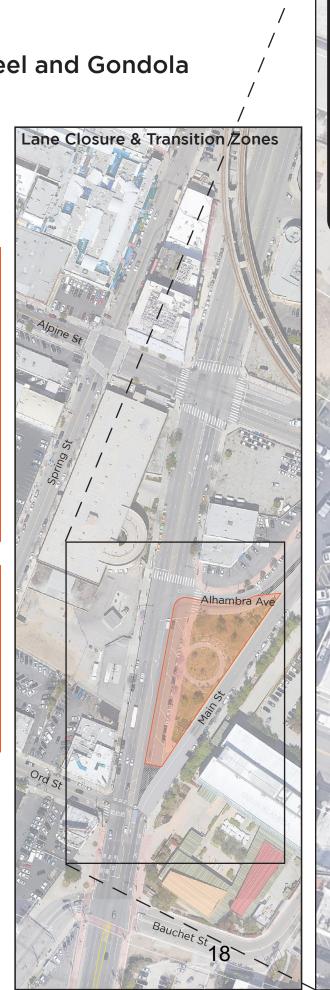
36 total piles; each 3' DIA, up to 120 ft deep below the pile cap

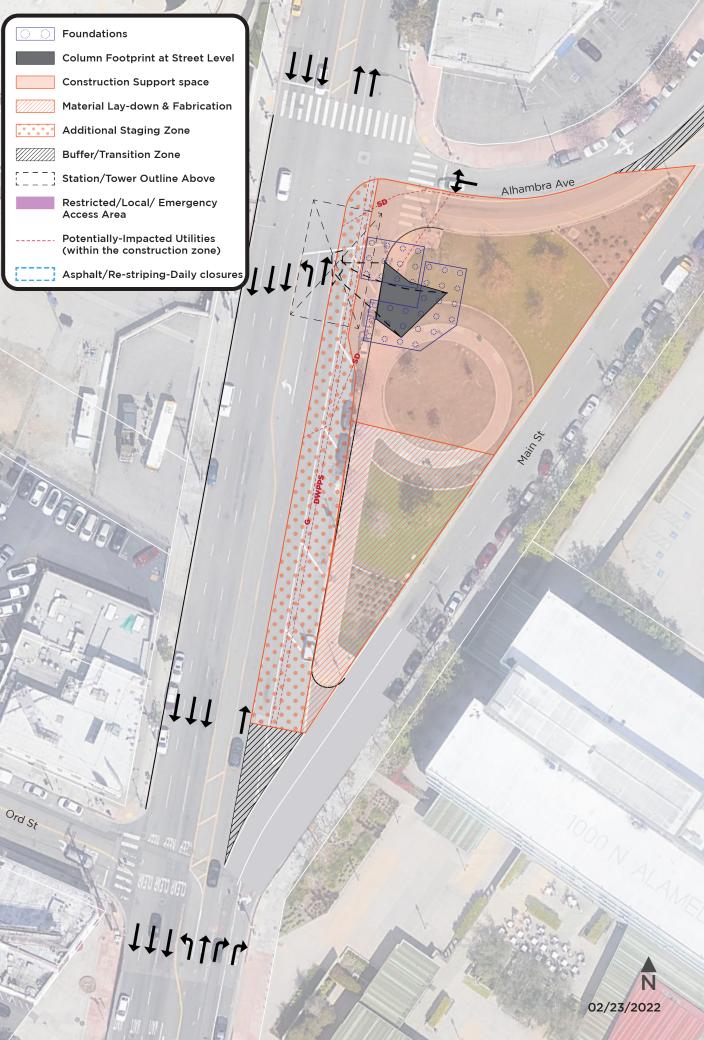


Alameda Street

Lanes and sidewalks closures

- Parallel parking lane
- 1 NB through lane
- East sidewalk





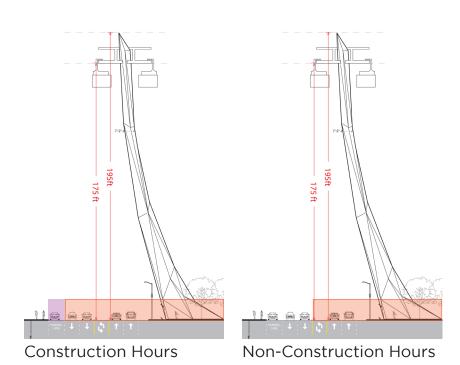
Alameda Tower

Structural Steel and Gondola Equipment Erection Weeks 4 - 26 of 26 total weeks of Structural Steel and Gondola Equipment Erection

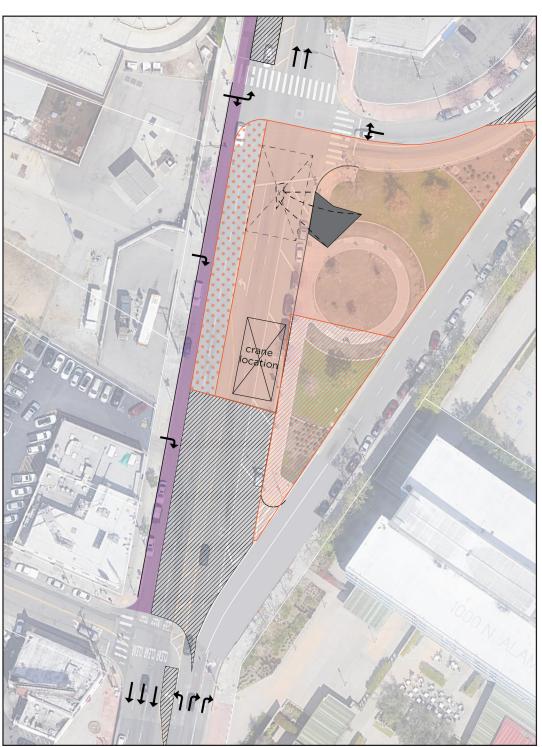
During Structural Steel and Gondola Equipment Erection, the Construction Zone and lane closure areas will vary depending on the construction site activity.

This will result in two alternating conditions over a period of 23 weeks:

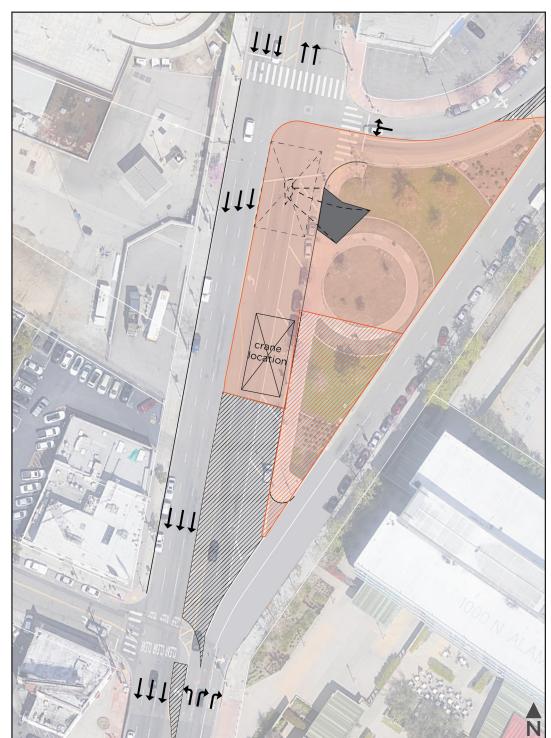
- 1. 10-hrs/day for construction hours
- 2. 14-hrs/day for non-construction hours



Construction Hours | 10 hrs/day



Non-Construction Hours | 14 hrs/day



19 02/23/2022

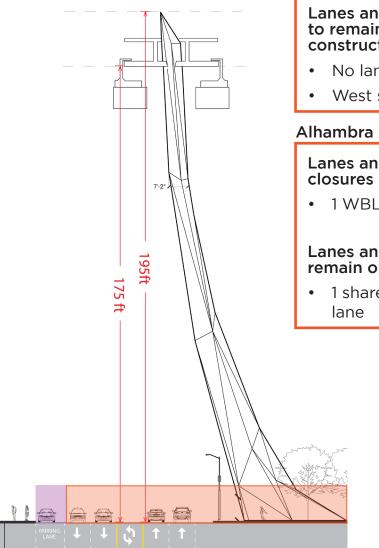
Alameda Tower Construction Hours

Structural Steel and Gondola Equipment Erection Weeks 4 - 26 of 26 total weeks of Structural Steel and Gondola Equipment Erection, 10 hrs / day

Required area for Construction 40,600 sqft

Restricted/Local/Emergency **Access**

Provide 1 SB through lane for restricted/local/ Emergency Access for adjacent properties.



Alameda Street

Lanes and sidewalks closures during construction hours

- Parallel parking lane
- 1 NBL turn lane
- 2 NB through lanes
- 3 SB through lanes
- East sidewalk

Lanes and sidewalks to remain open during construction hours

- No lanes open
- West sidewalk

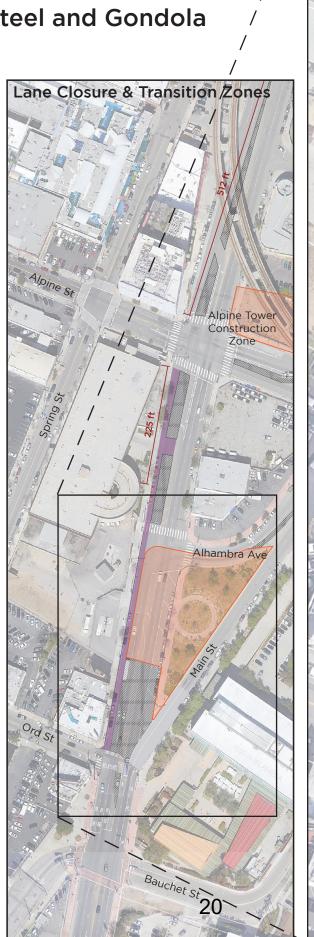
Alhambra Avenue

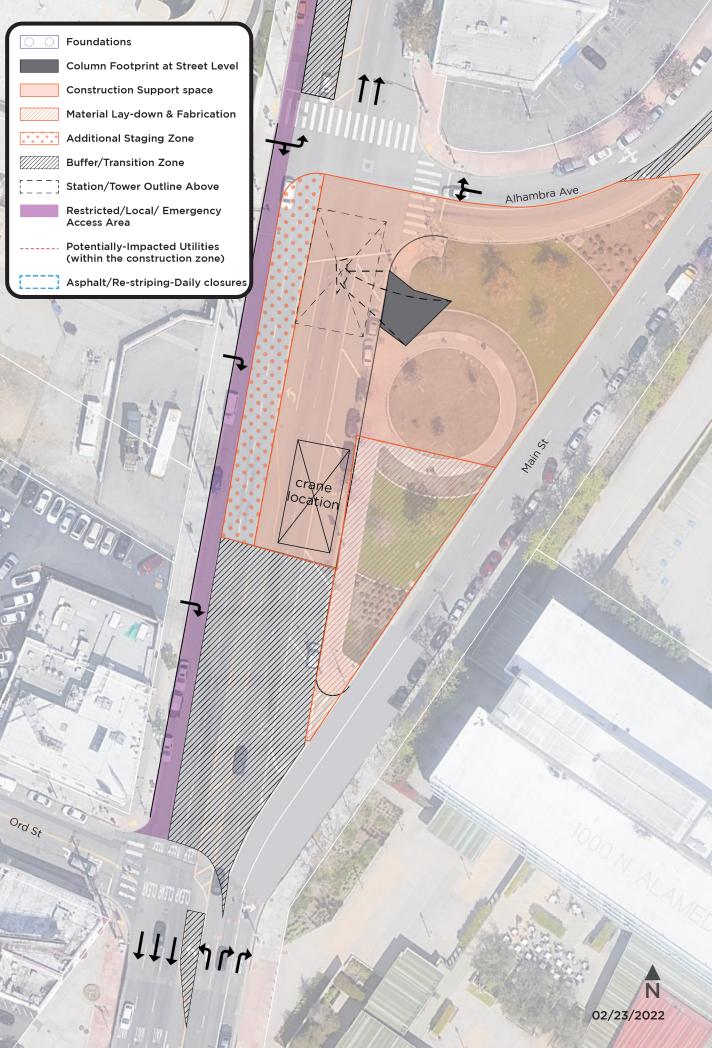
Lanes and sidewalks

• 1 WBL turn lane

Lanes and sidewalks to remain open

• 1 shared WBL/ WBR turn





Alameda Tower | Non-Construction Hours

Structural Steel and Gondola Equipment Erection Weeks 4 - 26 of 26 total weeks of Structural Steel and Gondola Equipment Erection, 14 hrs / day

Required area for Construction 36,200 sqft

Alameda Street

Lanes and sidewalks closures during nonconstruction hours

- Parallel parking lane
- 1 NBL turn lane
- 2 NB through lanes
- East sidewalk

Lanes and sidewalks to remain open during non-construction hours

- 3 SB through lanes
- West sidewalk

Alhambra Avenue

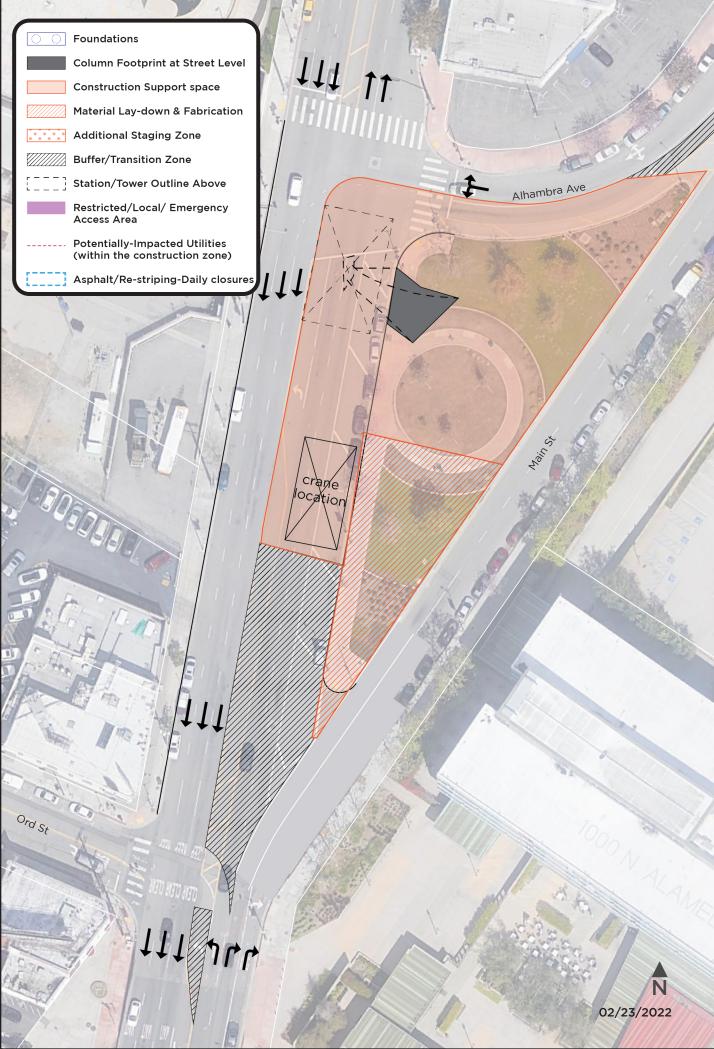
Lanes and sidewalks closures

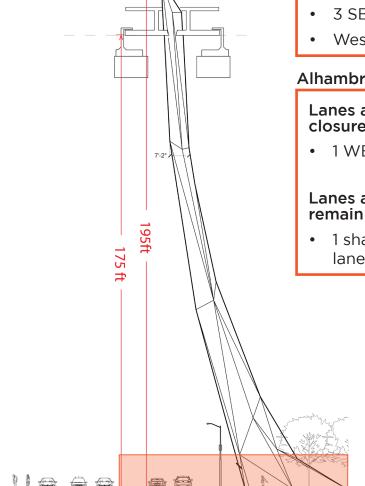
• 1 WBL turn lane

Lanes and sidewalks to remain open

• 1 shared WBL/ WBR turn lane







Alameda Tower

Hardscape and Landscape/ Interior Work 14 weeks



Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 14-week duration period

Required area for Construction 23,800 sqft

Alameda Street

Lanes and sidewalks closures

- No lane closures, except for asphalt/ re-striping closures
- East sidewalk

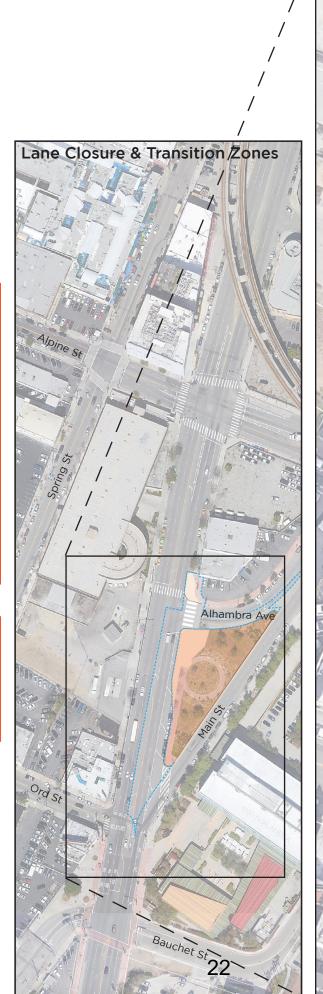
Lanes and sidewalks to remain open

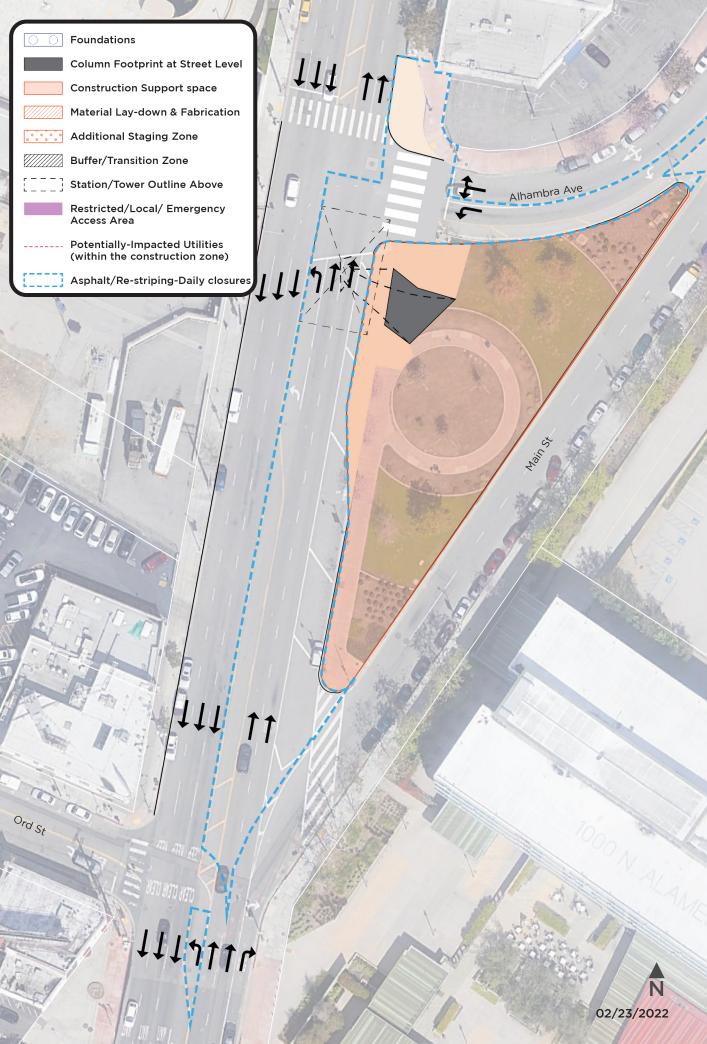
- All lanes
- West sidewalk
- Parallel parking lane

Alhambra Avenue

Lanes and sidewalks closures

 No lane closures, except for asphalt/ re-striping closures





Alameda Tower | Build-Out

Build-Out Conditions

Build-out conditions for Alameda at the proposed location for Alameda Tower:

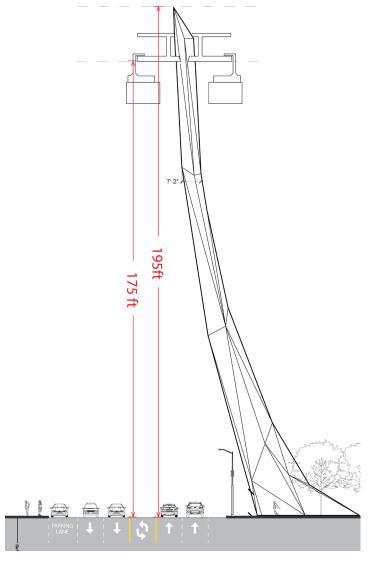
- 1 NBL turn lane
- 2 NB through lanes
- 3 SB through lanes

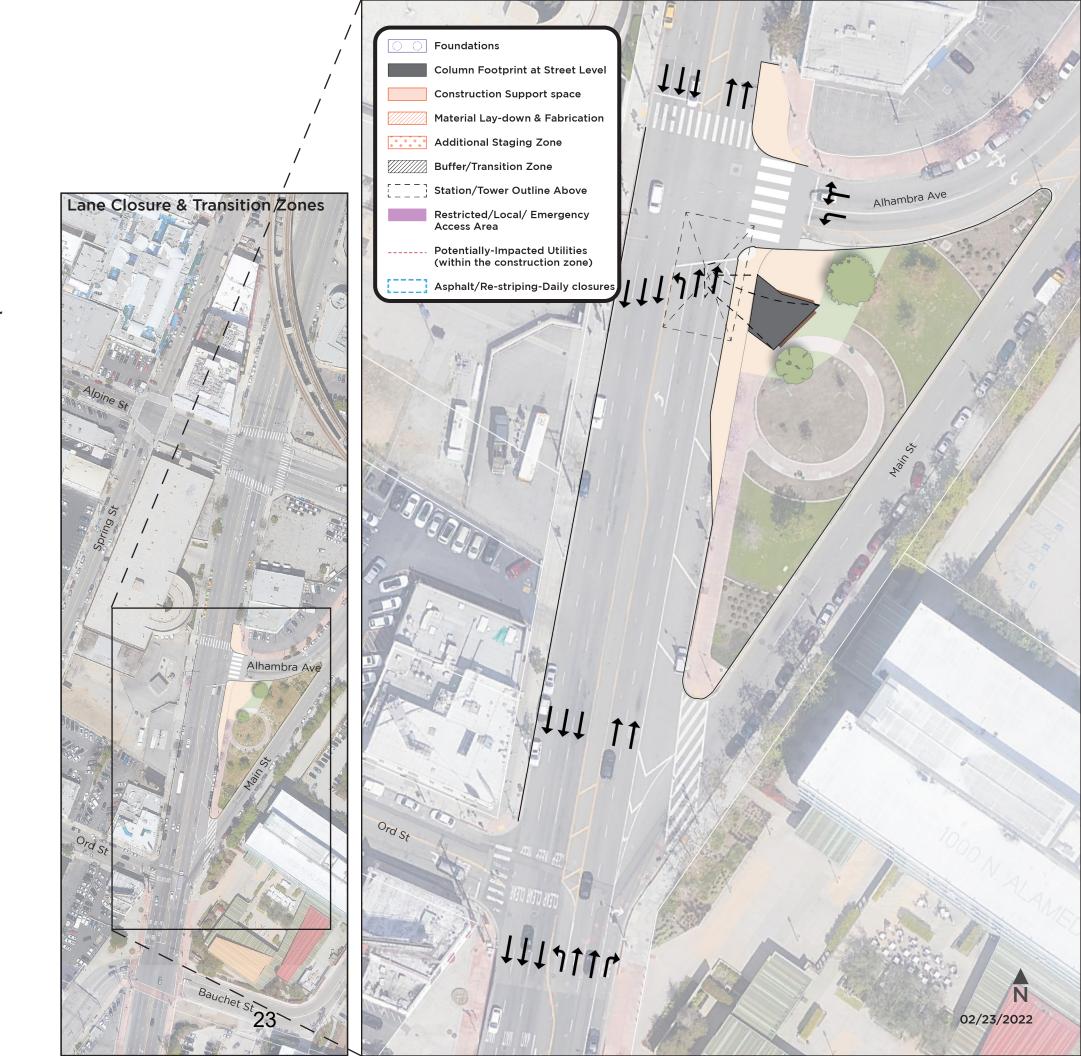
Build-out conditions for Alhambra at the proposed location for Alameda Tower:

- 1 WBL turn lane
- 1 shared WBL/ WBR turn lane

New curb extension introduced along the eastern edge of Alameda (northbound)

Existing parallel parking spaces reduced by 6 spaces





Existing

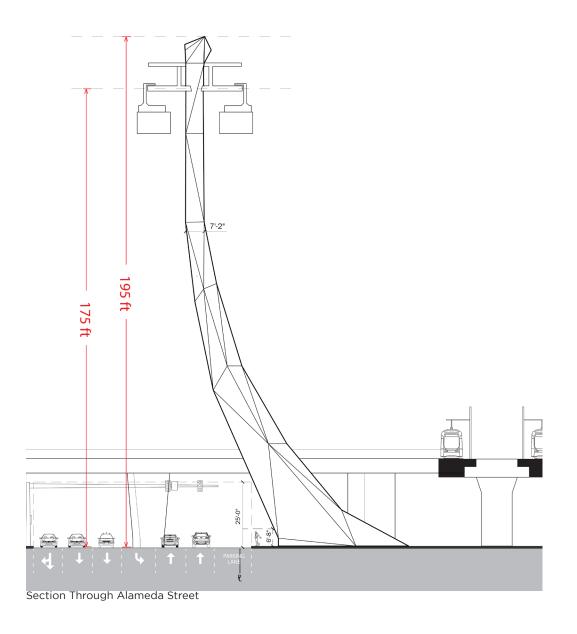
Existing Conditions

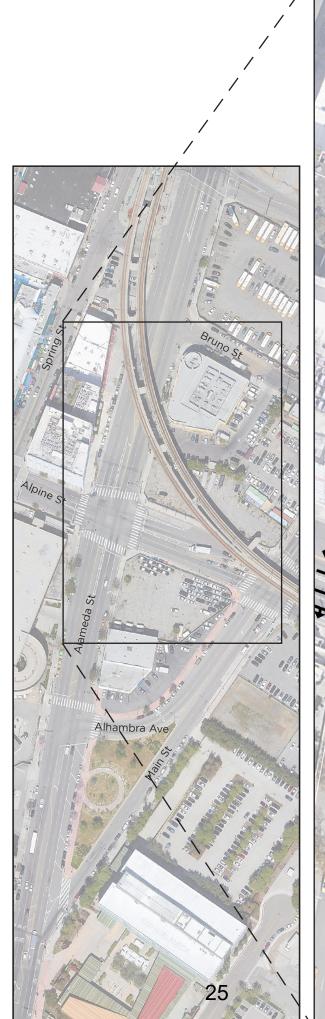
Existing conditions for Alameda Street at the proposed location for Alpine Tower:

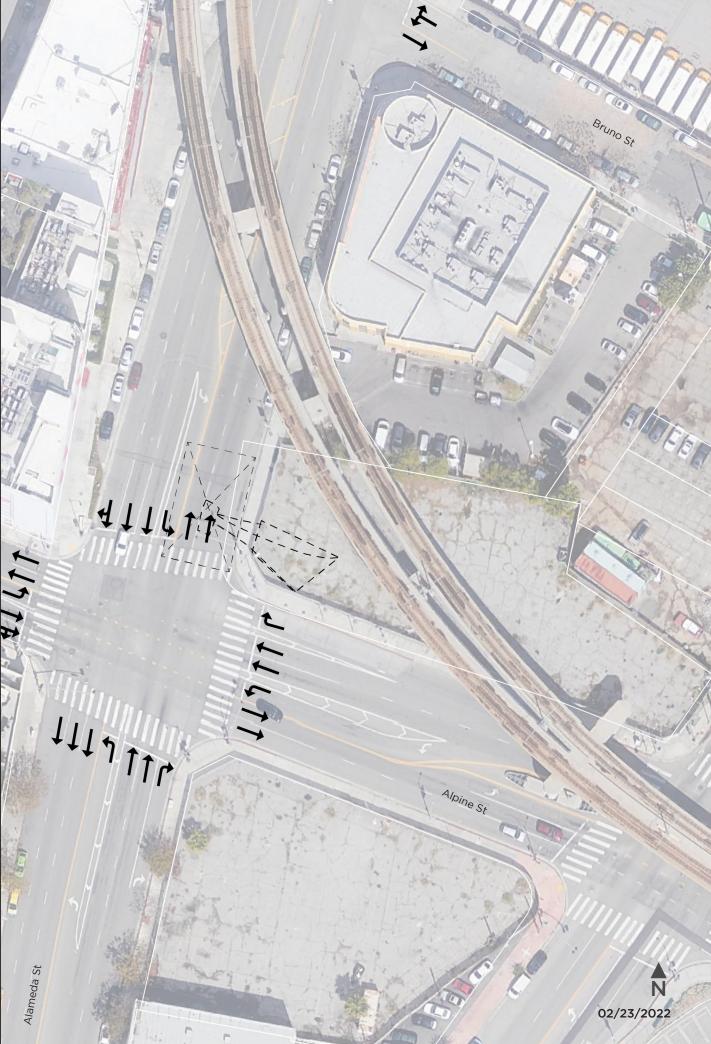
- 2 NB through lanes
- 1 SBL turn lane
- 2 SB through lanes
- 1SB through-right lane

Existing conditions for Alpine Street along the proposed location for Alpine Tower:

- 2 WB through lanes
- 1 WBL turn lane
- 1 WBR turn lane
- 2 EB through lanes







Foundations and Columns for 15 weeks Weeks 1 - 3 of 28 total weeks of Structural Steel and Gondola Equipment Erection

• 1 NB through lane

NB parallel parking

• 1 NB through lane

2 SB through lanes

1 SBL turn lane

East sidewalk

Lanes and sidewalks closures

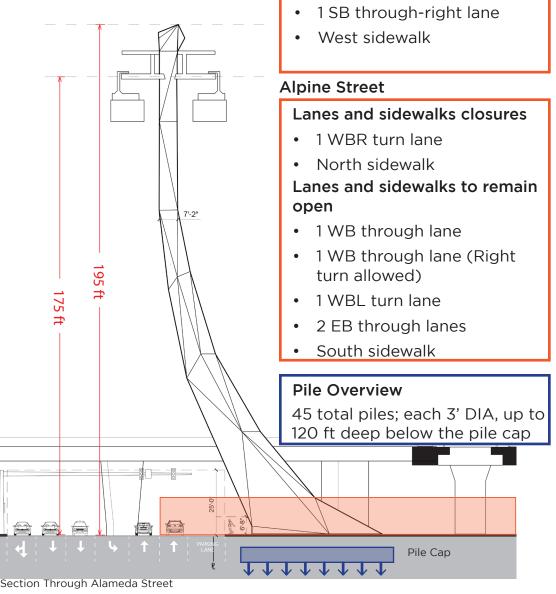
Lanes and sidewalks to remain

Alameda Street

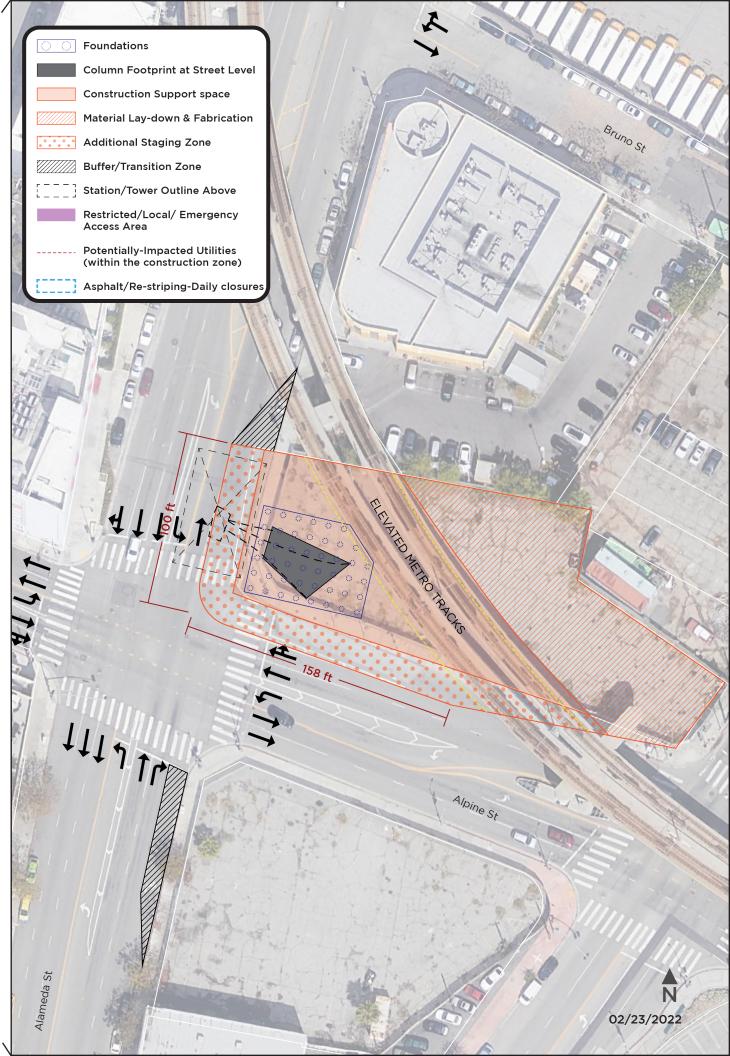
open

Weeks 1 - 3 of Structural Steel and Gondola Equipment Erection include construction of the first 25 feet of the Alpine Tower. Closures associated with this work are the same as those reflected on this sheet for the Foundations and Columns.

Required area for Construction 30,100 sqft





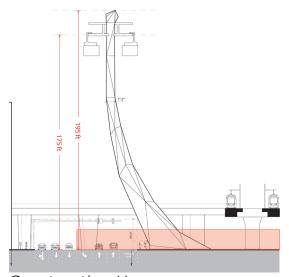


Structural Steel and Gondola Equipment Erection Weeks 4 – 28 of 28 total weeks of Structural Steel and Gondola Equipment Erection

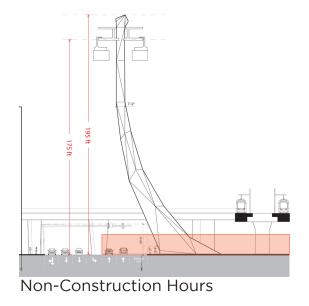
During Structural Steel and Gondola Equipment Erection, the Construction Zone and lane closure areas will vary depending on the construction site activity.

This will result in two alternating conditions over a period of 17 weeks:

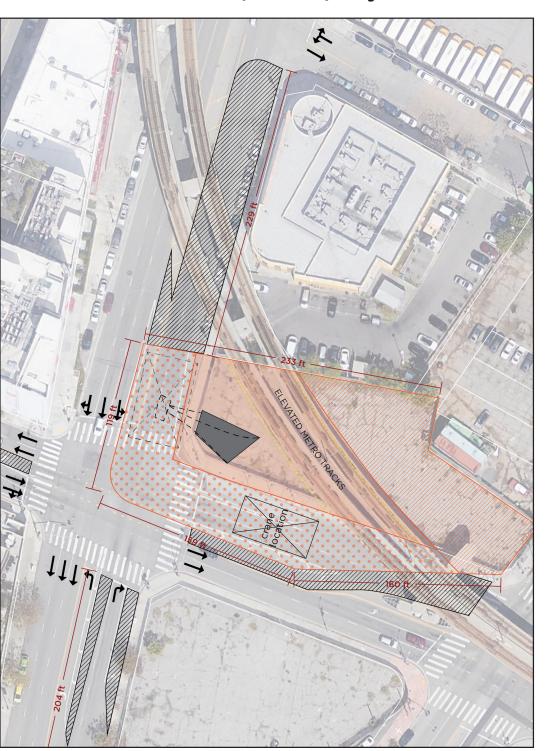
- 1. 10-hrs/day for construction hours
- 2. 14-hrs/day for non-construction hours



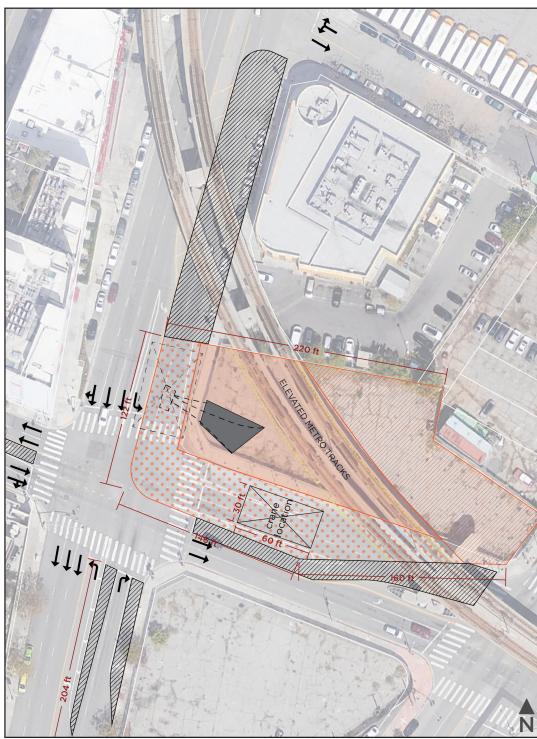
Construction Hours



Construction Hours | 10 hrs/day



Non-Construction Hours | 14 hrs/day



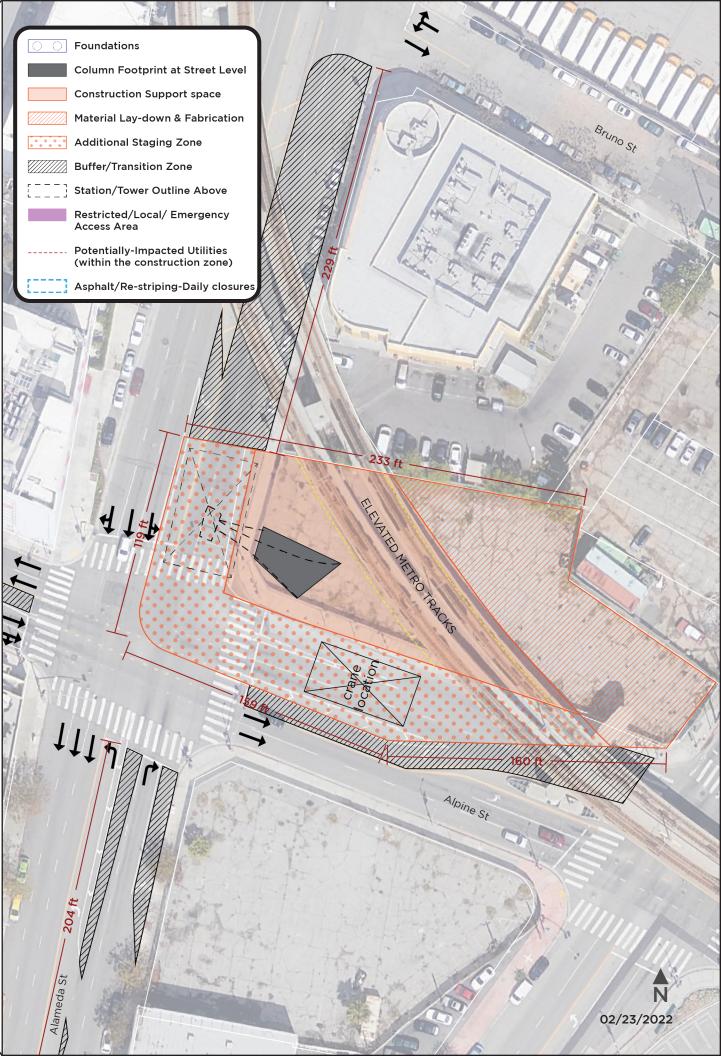
27

Construction Hours

Structural Steel and Gondola Equipment Erection
Weeks 4 - 28 of 28 total weeks of Structural Steel and Gondola/
Equipment Erection, 10 hrs/day

Required area for Construction **Alameda Street** 38,700 sqft Lanes and sidewalks closures during construction hours • 2 NB through lanes 1 SBL turn lane East sidewalk NB parallel parking Lanes and sidewalks to remain open during construction hours • 1SB through lane • 1SB through-right lane • 1 SB through lane (Left turn allowed) West sidewalk **Alpine Street** Lanes and sidewalks closures during construction hours • 1 WBR turn lane • 2 WB through lanes • 1 WBL turn lane North sidewalk Lanes and sidewalks to remain open during construction • 2 EB through lanes South sidewalk Section Through Alameda Street



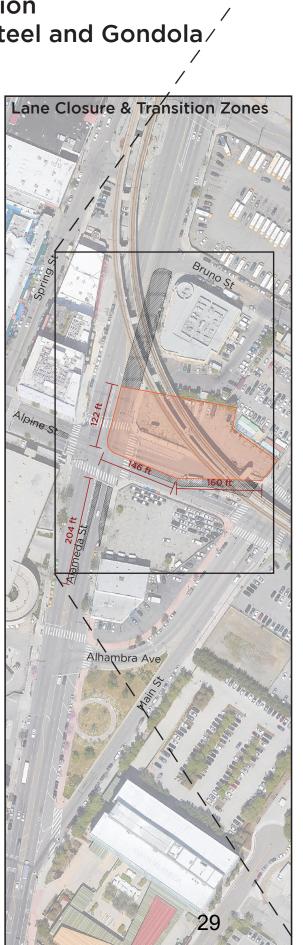


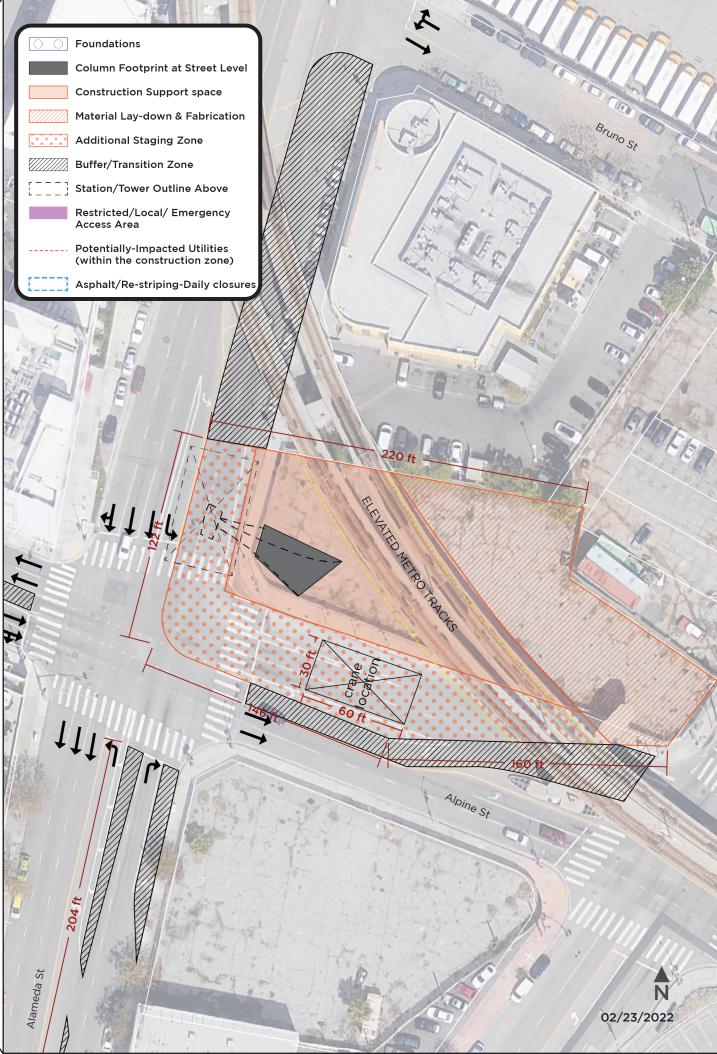
Alpine Tower

Non-Construction Hours

Structural Steel and Gondola Equipment Erection
Weeks 4 - 28 of 28 total weeks of Structural Steel and Gondola/
Equipment Erection, 14 hrs/day

Required area for Construction Alameda Street 37,100 sqft Lanes and sidewalks closures during non-construction hours 2 NB through lanes East sidewalk NB parallel parking lane Lanes and sidewalks to remain open during non-construction hours 1 SBL turn lane • 2 SB through lanes • 1SB through-right lane West sidewalk **Alpine Street** Lanes and sidewalks closures during non-construction hours 1 WBR turn lane 2 WB through lanes 1 WBL turn lane North sidewalk Lanes and sidewalks to remain open during non-construction • 2 EB through lanes South sidewalk Section Through Alameda Street





Alpine Tower

Hardscape and Landscape/Interior Work 12 weeks

Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 12-week duration period

Required area for Construction 24,400 sqft

Alameda Street

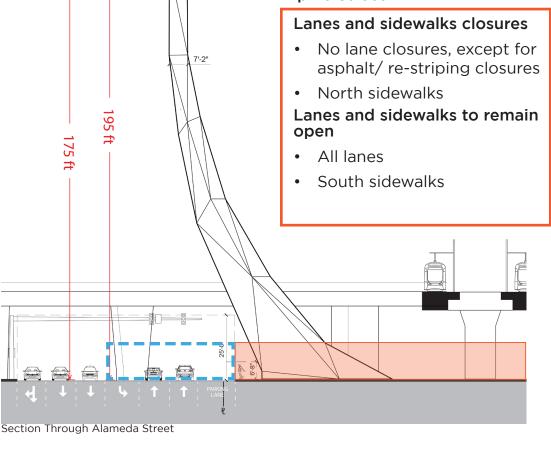
Lanes and sidewalks closures

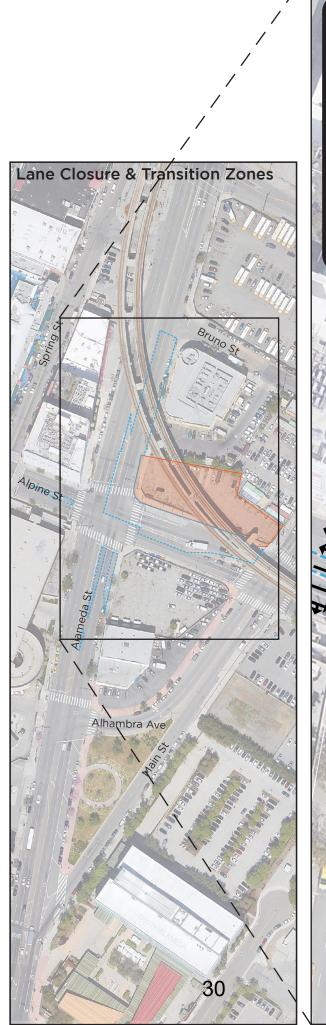
- No lane closures, except for asphalt/ re-striping closures
- East sidewalks

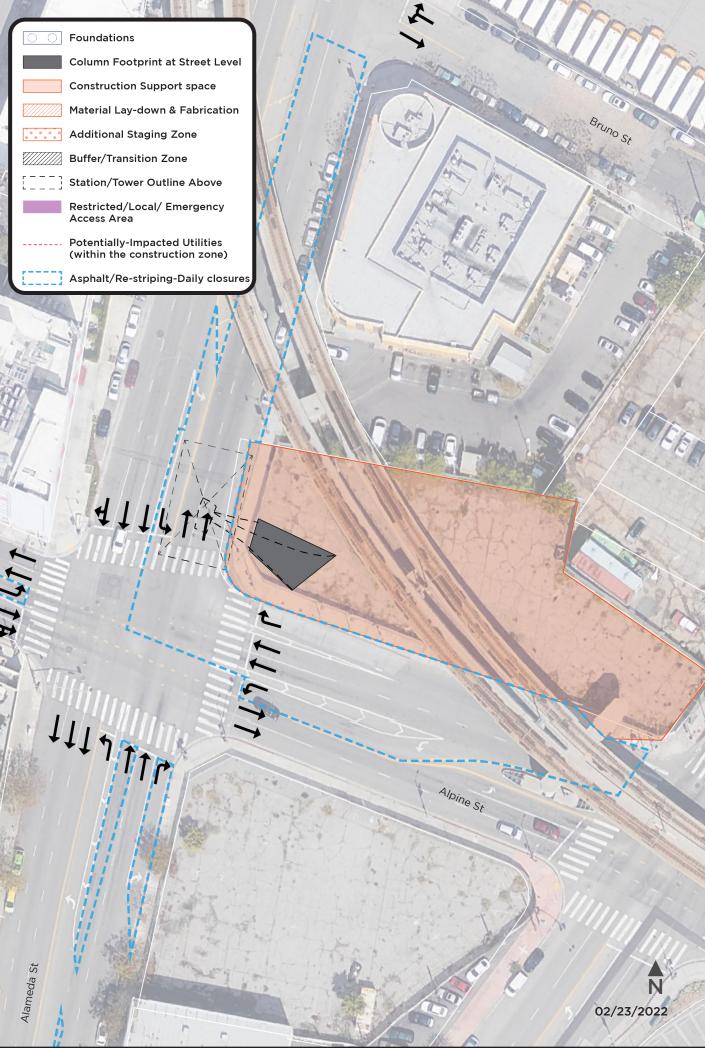
Lanes and sidewalks to remain open

- All lanes
- West sidewalks

Alpine Street







Alpine Tower

Build-Out

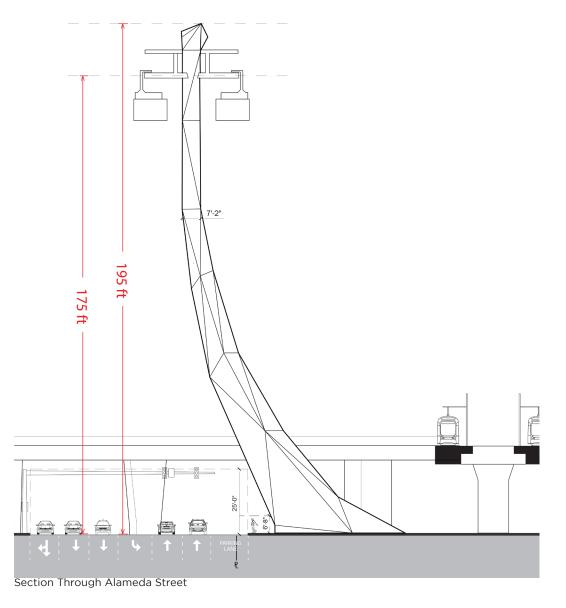
Build-Out Conditions

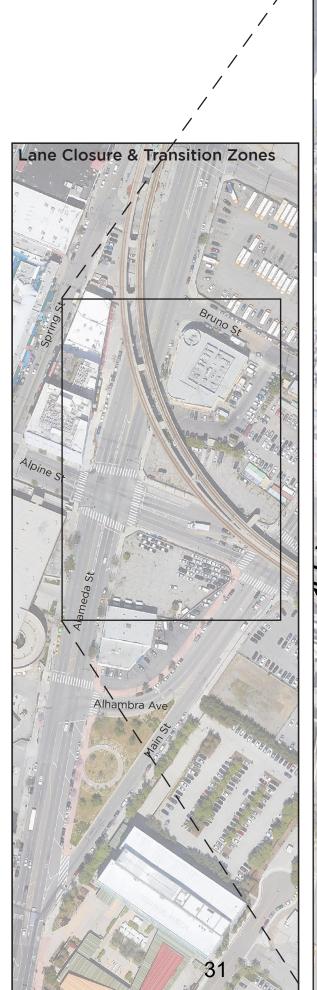
Build-out conditions for Alameda Street at the proposed location for Alpine Tower:

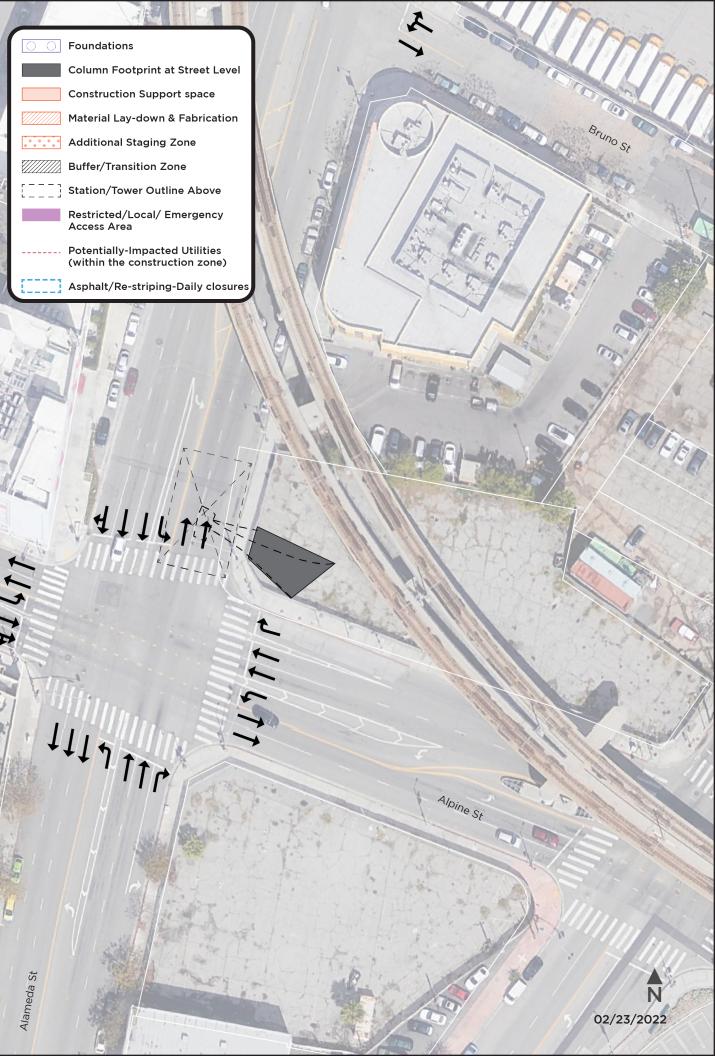
- 2 NB through lanes
- 1 SBL turn lane
- 2 SB through lanes
- 1SB through-right lane

Build-out conditions for Alpine Street along the proposed location for Alpine Tower:

- 2 WB through lanes
- 1 WBL turn lane
- 1 WBR turn lane
- 2 EB through lanes





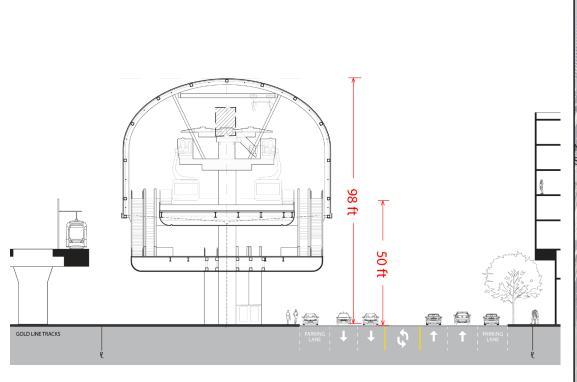


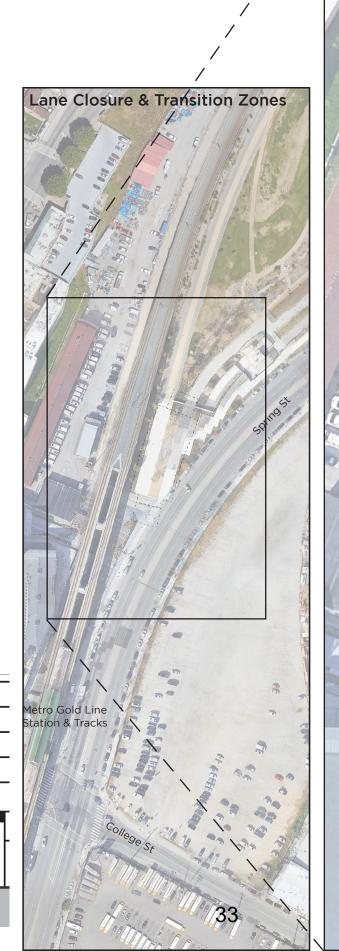
Chinatown / State Park Station | Existing

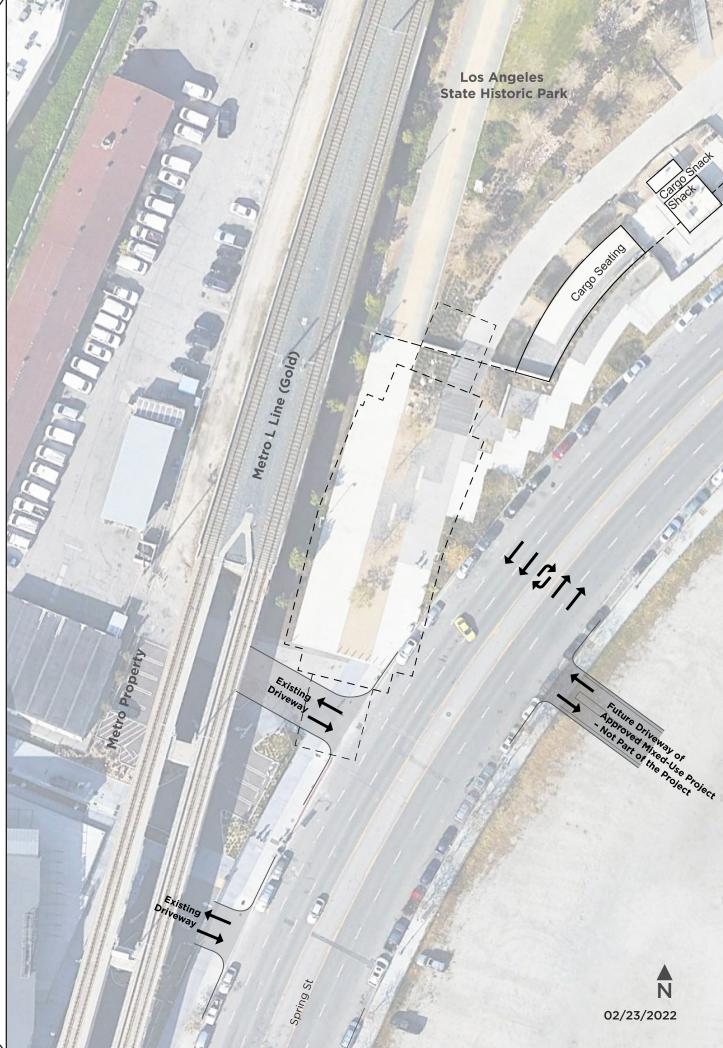
Existing Conditions

Existing conditions for Spring Street at the proposed location for Chinatown / State Park Station:

- Two-Way left turn lane
- 2 NB through lanes + parallel parking lane
- 2 SB through lanes + parallel parking lane







Chinatown / State Park Station

Foundations and Columns 21 weeks

Required area for Construction 60,800 sqft

Lanes and sidewalks closures

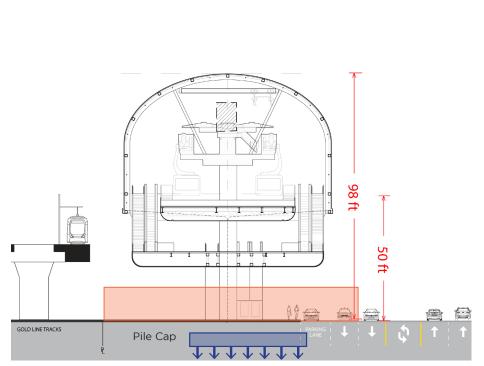
- 2 SB through lanes
- Two-Way left turn lane
- SB parallel parking lane
- West sidewalk (Partial sidewalk detour required)

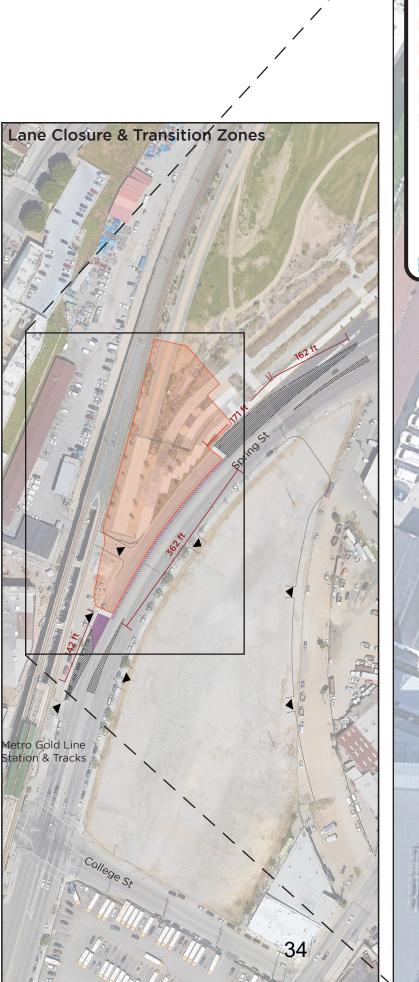
Pile Overview

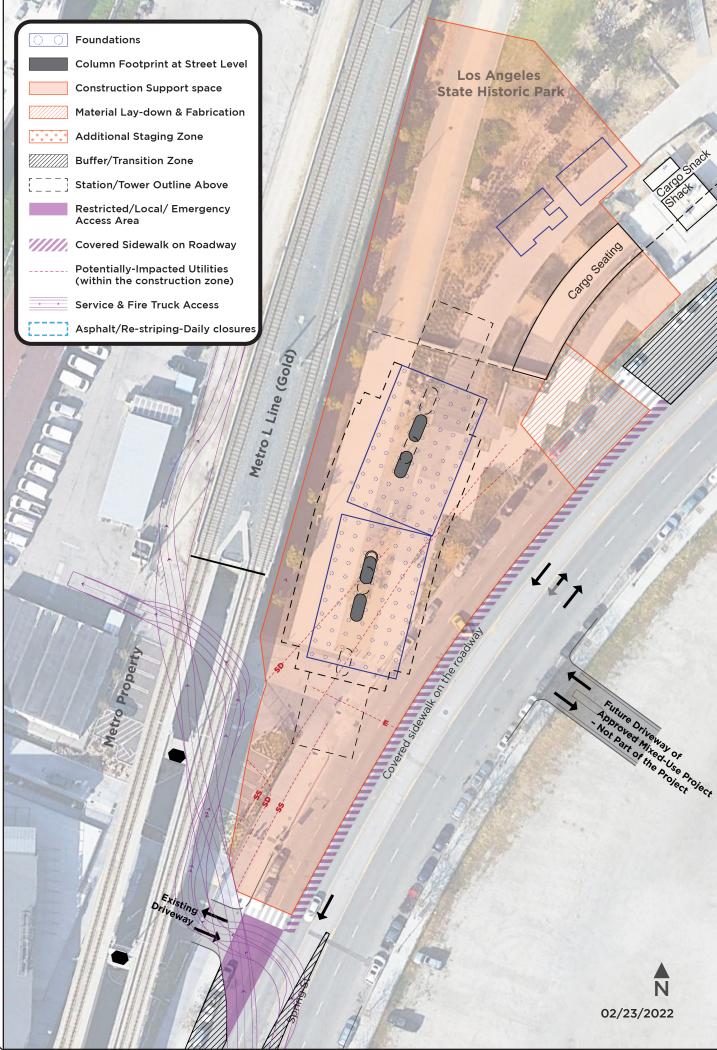
154 total piles; each 2' DIA, up to 80 ft deep below the pile cap

Lanes and sidewalks to remain open

- 1 SB through lane (Two-Way left turn lane will be used as a SB through lane during construction)
- 1 reversible through lane to be used in the peak direction (e.g. SB in the AM, NB in the PM) in 1 NB through lane during construction
- 1 NB through lane
- NB parallel parking lane
- East sidewalk







Chinatown / State Park Station

Structural Steel and Gondola Equipment Erection 28 weeks

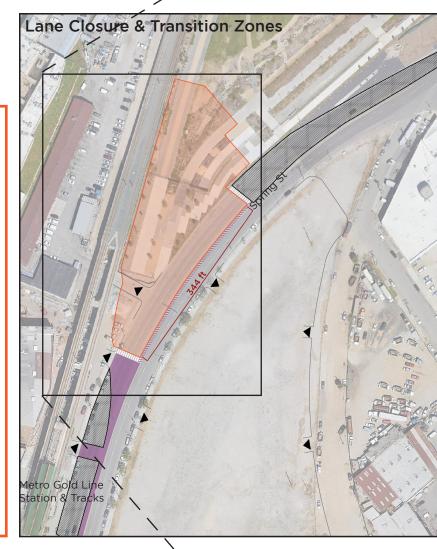
Required area for Construction 69,000 sqft

Lanes and sidewalks closures

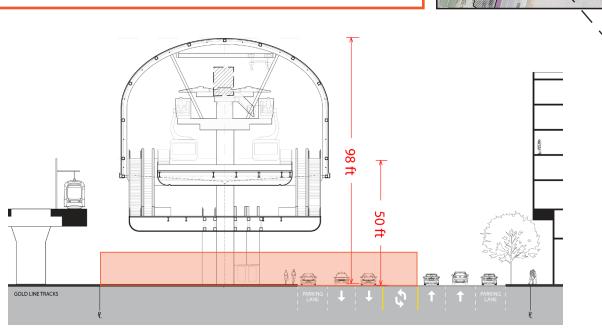
- Two-Way left turn lane
- 2 SB through lanes
- SB parallel parking lane
- 1 NB parallel parking lane
- 1 NB through lane
- West sidewalk (Partial sidewalk detour required)

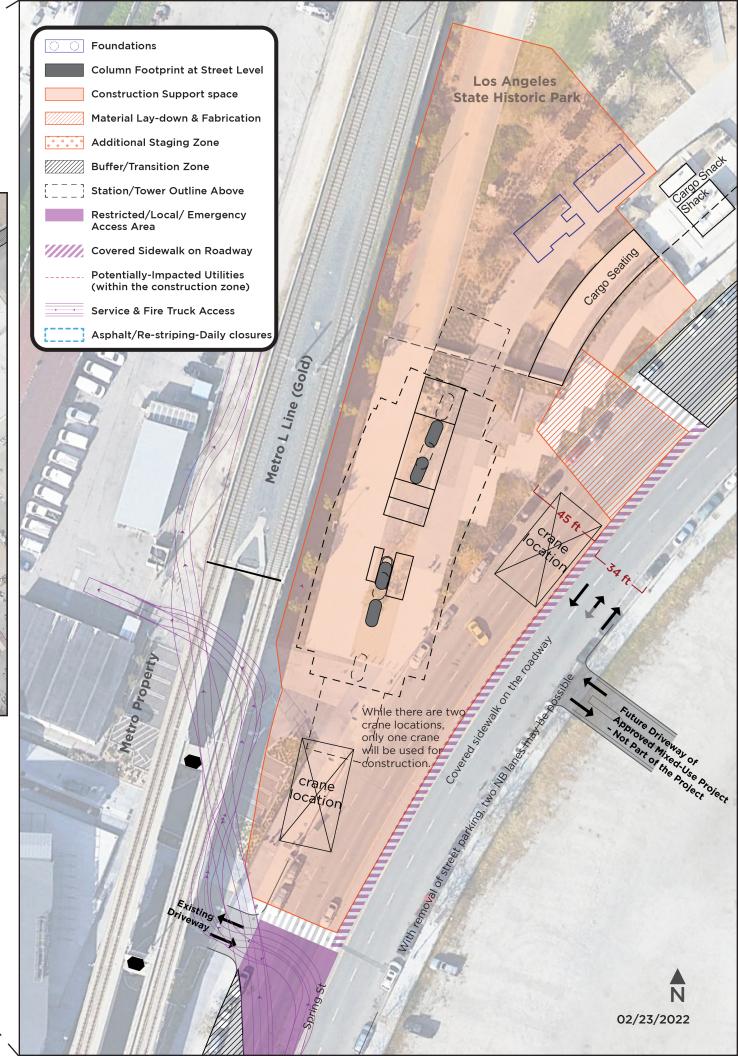
Lanes and sidewalks to remain open

- 1 NB through lane (parallel parking lane will be used as a NB through lane during construction)
- 1 SB through lane (Two-Way left turn lane/ portions of 1 NB through lane will be used as a SB through lane during construction)
- 1 reversible through lane to be used in the peak direction (e.g. SB in the AM, NB in the PM) in 1 NB through lane during construction
- East sidewalk



35





Chinatown / State Park Station

Vertical Circulation/ Hardscape and Landscape/ Interior Work 40 weeks



Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 21-week duration period

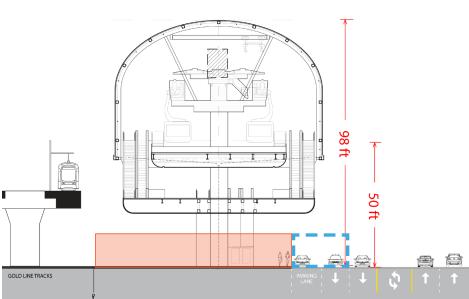
Required area for Construction 48,800 sqft

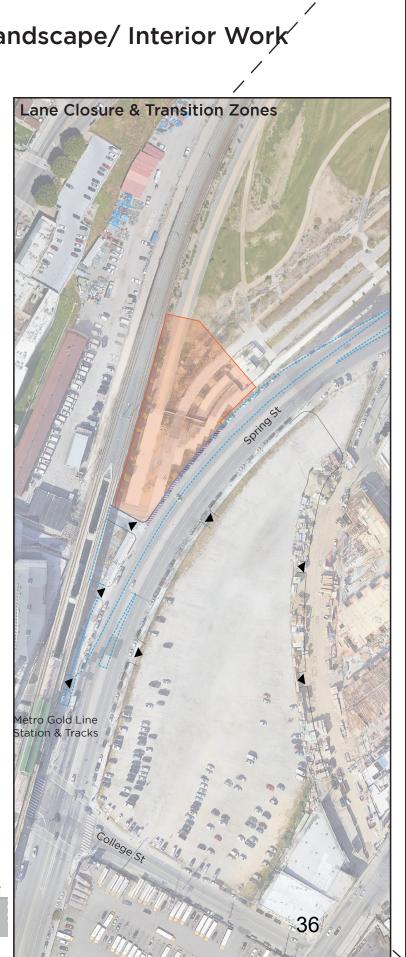
Lanes and sidewalks closures

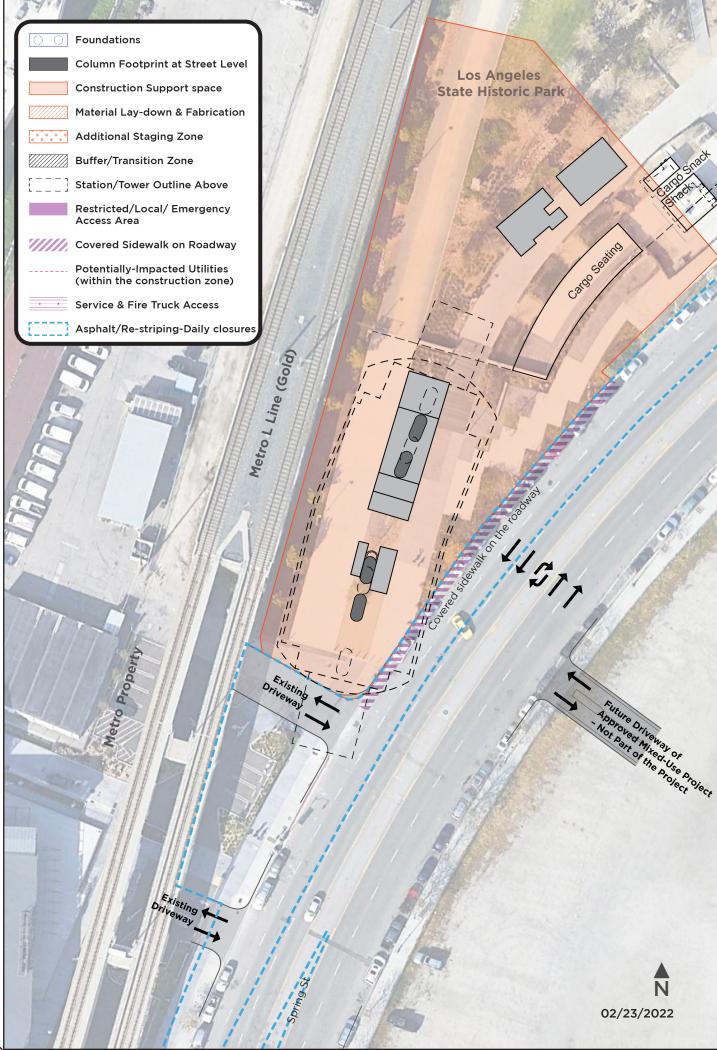
- No lane closures, except for asphalt/ re-striping closures
- West sidewalk (Partial sidewalk detour required)
- 1 SB parallel parking lane

Lanes and sidewalks to remain open

- All lanes
- East sidewalk





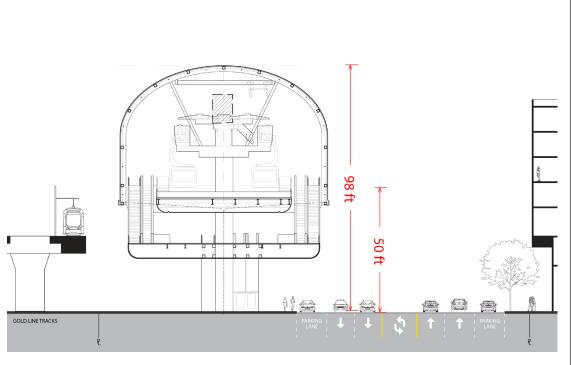


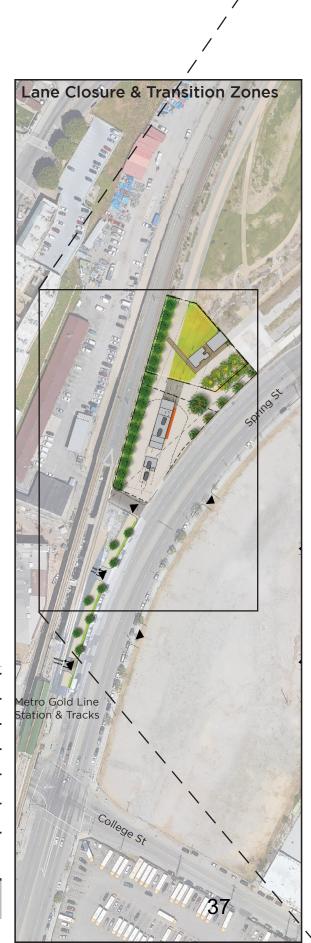
Chinatown / State Park Station | Build-Out

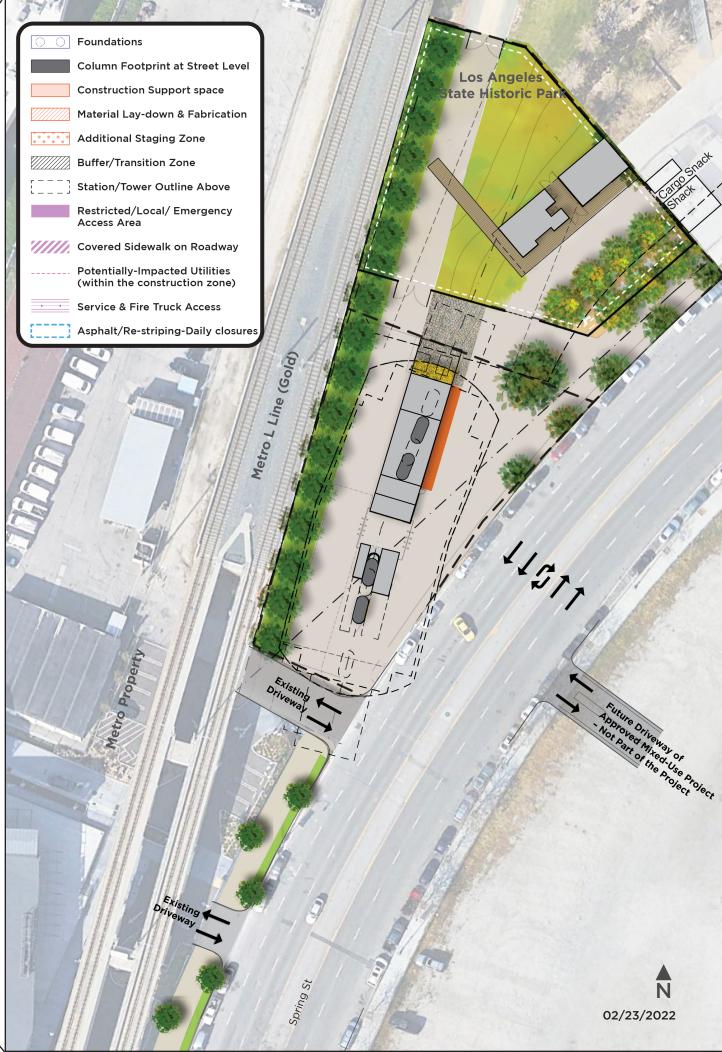
Build-Out Conditions

Build-out conditions for Spring Street at the proposed location for Chinatown / State Park Station:

- Two-Way left turn lane
- 2 NB through lanes + parallel parking lane
- 2 SB through lanes + parallel parking lane







Broadway Junction | **Existing**

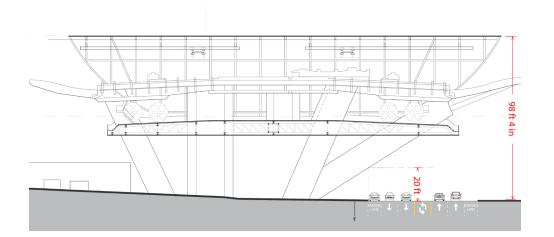
Existing Conditions

Existing conditions for North Broadway along the proposed location for the Broadway Junction:

- 1 NBL turn lane
- 2 NB through lanes
- 1SB through lane
- 1SB through-right lane

Existing conditions for Bishops Road along the proposed location for the Broadway Junction:

- 1 WB through lane
- 1 shared EBL/ EBR turn lane





Foundations and Columns 28 weeks

Required area for Construction 50,500 sqft

Pile Overview

45 total piles; each 3' DIA, up to 120 ft deep below the pile cap

North Broadway

Lanes and sidewalks closures

- 1 NBL turn lane
- SB parallel parking lane
- West sidewalk (Partial sidewalk detour required)

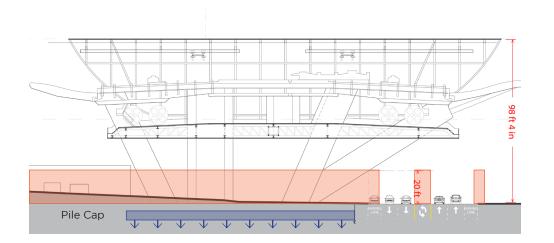
Lanes and sidewalks to remain open

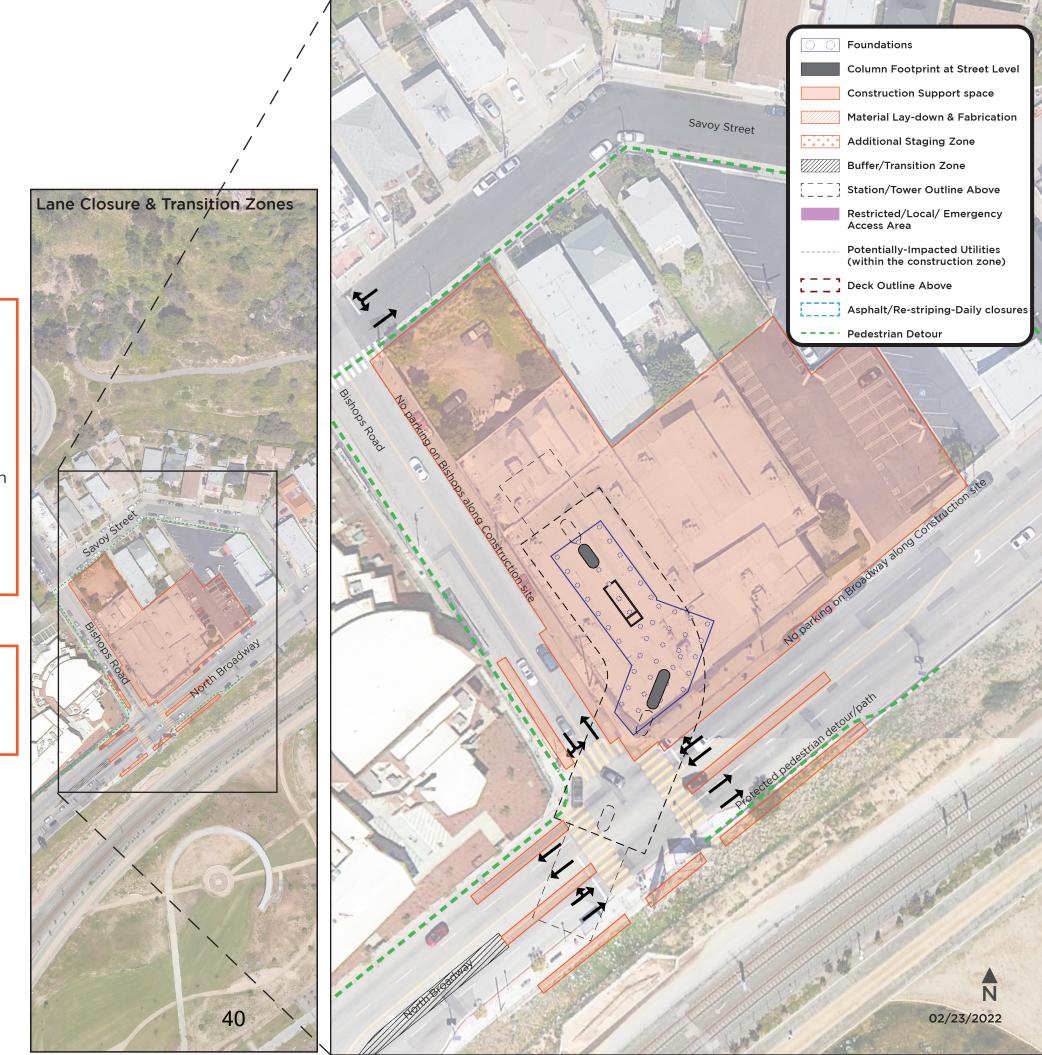
- 2 NB through lanes (Left turn allowed)
- 1 SB through lane
- 1 SB through-right lane
- East sidewalk

Bishops Road

Lanes and sidewalks to remain open

- All travel lanes
- South sidewalk





Deck Shoring, Cribbing & Erection 2 weeks

Required area for Construction 65,000 sqft

North Broadway

Lanes and sidewalks closures

- 1 NBL turn lane/center left turn lane
- 2 NB through lanes
- 1SB through lane
- 1SB through-right lane
- NB and SB parallel parking lanes
- West sidewalk (Partial sidewalk detour required)

Lanes and sidewalks to remain open

- No lanes open
- East sidewalk

Bishops Road

Lanes and sidewalks closures during

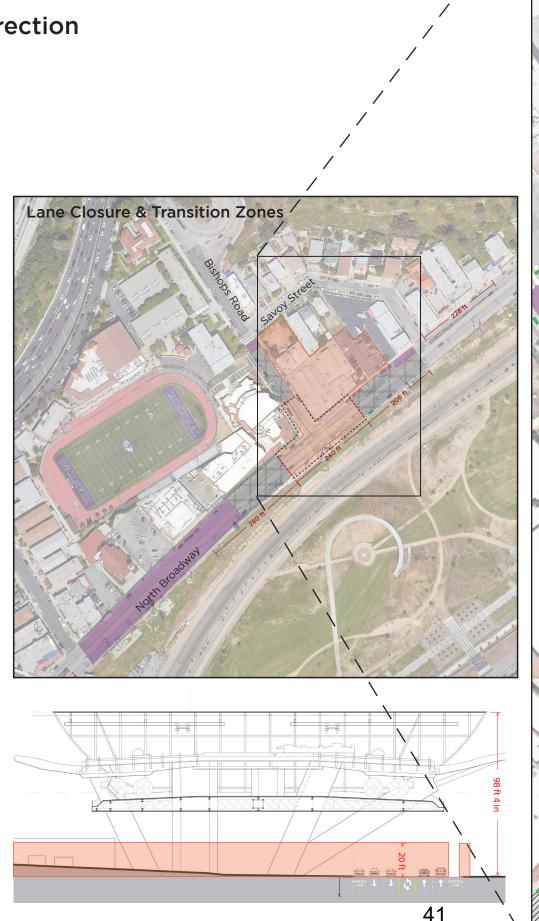
- 1 shared EBL/ EBR turn lane
- 1 WB through lane
- EB parallel parking lane

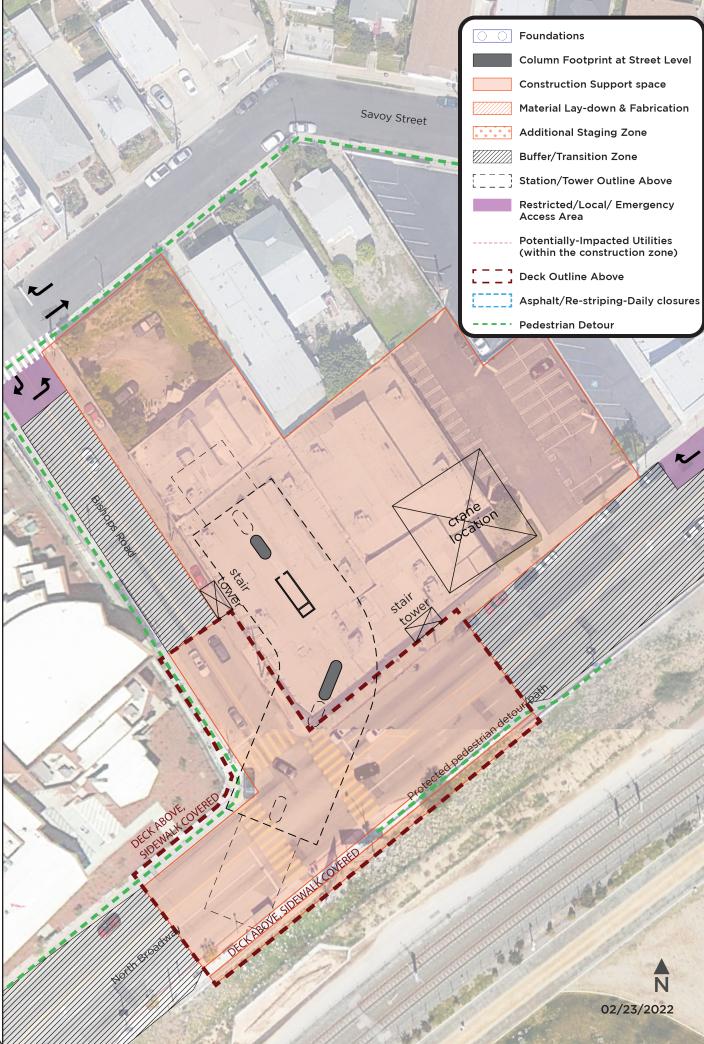
Lanes and sidewalks to remain open

- No lanes open (Potential use as drop-off area subject to LADOT approval given u-turn limitations of roadway cross-section)
- South sidewalk

Restricted/Local/Emergency Access

Provide restricted/local/ Emergency Access for adjacent properties.





Structural Steel and Gondola Equipment Erection 38 weeks

Required area for Construction 50,500 sqft

North Broadway

Lanes and sidewalks closures

- 1 NBL turn lane
- SB parallel parking lane
- West sidewalk (Partial sidewalk detour required)

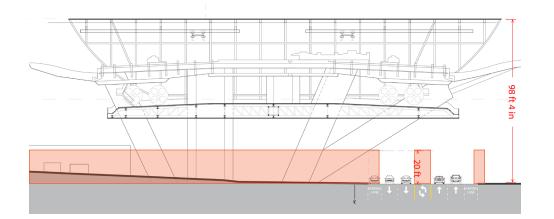
Lanes and sidewalks to remain open

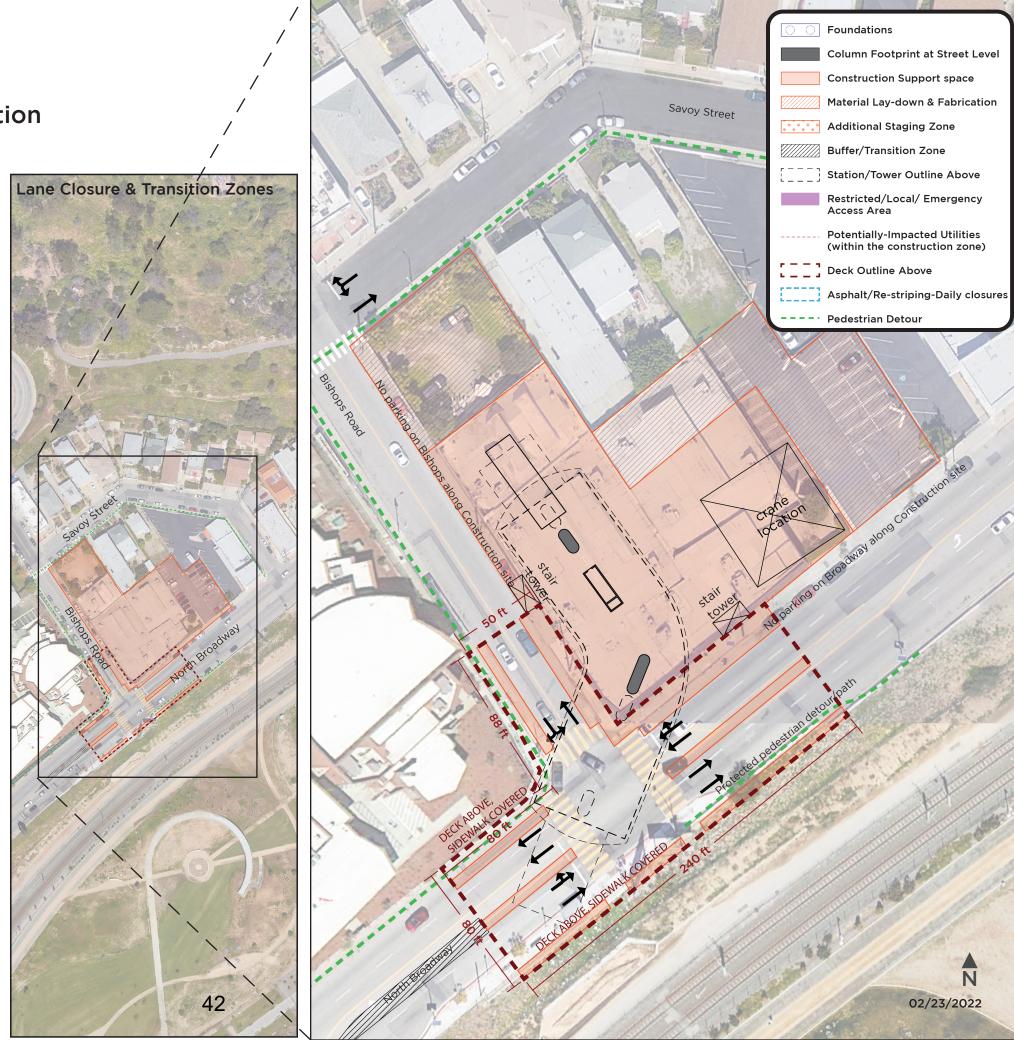
- 2 NB through lanes (Left turn permitted)
- 1 SB through lane
- 1 SB through-right lane
- East sidewalk

Bishops Road

Lanes and sidewalks to remain open

- All travel lanes
- South sidewalk





Deck Removal

3 weeks (Overlaps with Vertical Circulation/ Hardscape and Landscape/ Interior Work)

Required area for Construction 65,000 sqft

North Broadway

Lanes and sidewalks closures

- 1 NBL turn lane/center left turn lane
- 2 NB through lanes
- 1SB through lane
- 1SB through-right lane
- NB and SB parallel parking lanes
- West sidewalk (Partial sidewalk detour required)

Lanes and sidewalks to remain open

- No lanes open
- East sidewalk

Bishops Road

Lanes and sidewalks closures during

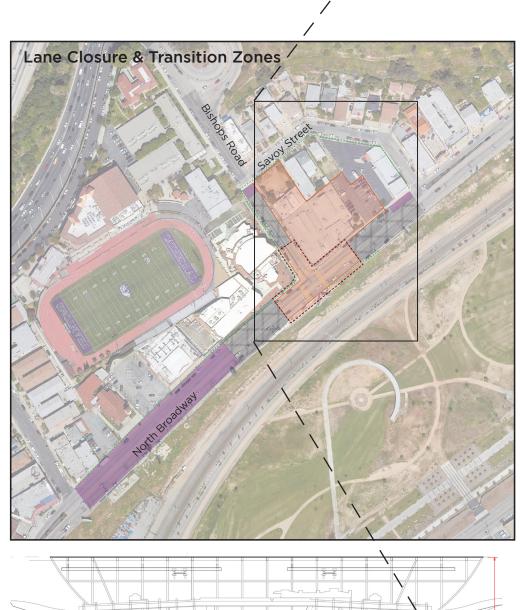
- 1 shared EBL/ EBR turn lane
- 1 WB through lane
- EB parallel parking lane

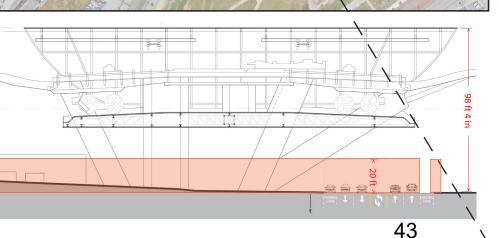
Lanes and sidewalks to remain open

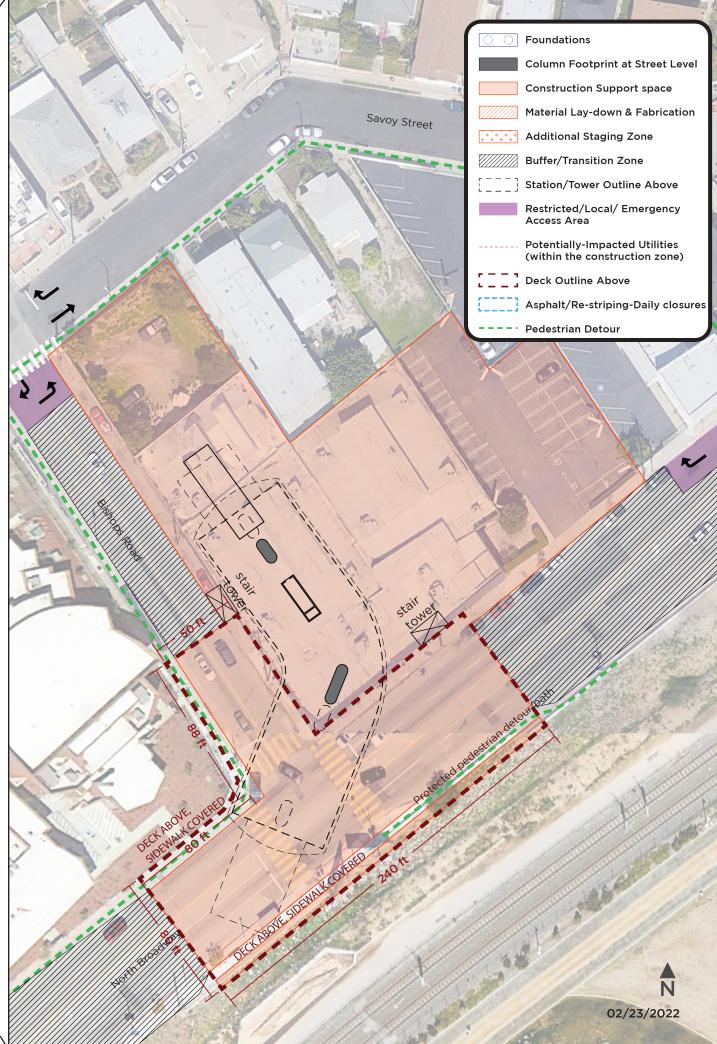
- No lanes open (Potential use as drop-off area subject to LADOT approval given u-turn limitations of roadway cross-section)
- South sidewalk

Restricted/Local/Emergency Access

Provide restricted/local/ Emergency Access for adjacent properties.







Vertical Circulation/ Hardscape and Landscape/ Interior Work 29 weeks

Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 10-week duration period

Required area for Construction 41,900 sqft

North Broadway

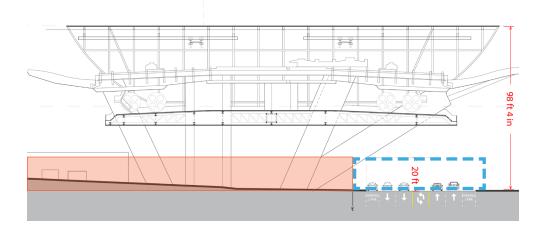
Lanes and sidewalks closures

- No lane closures, except for asphalt/ re-striping closures
- West sidewalk for asphalt/ restriping closures

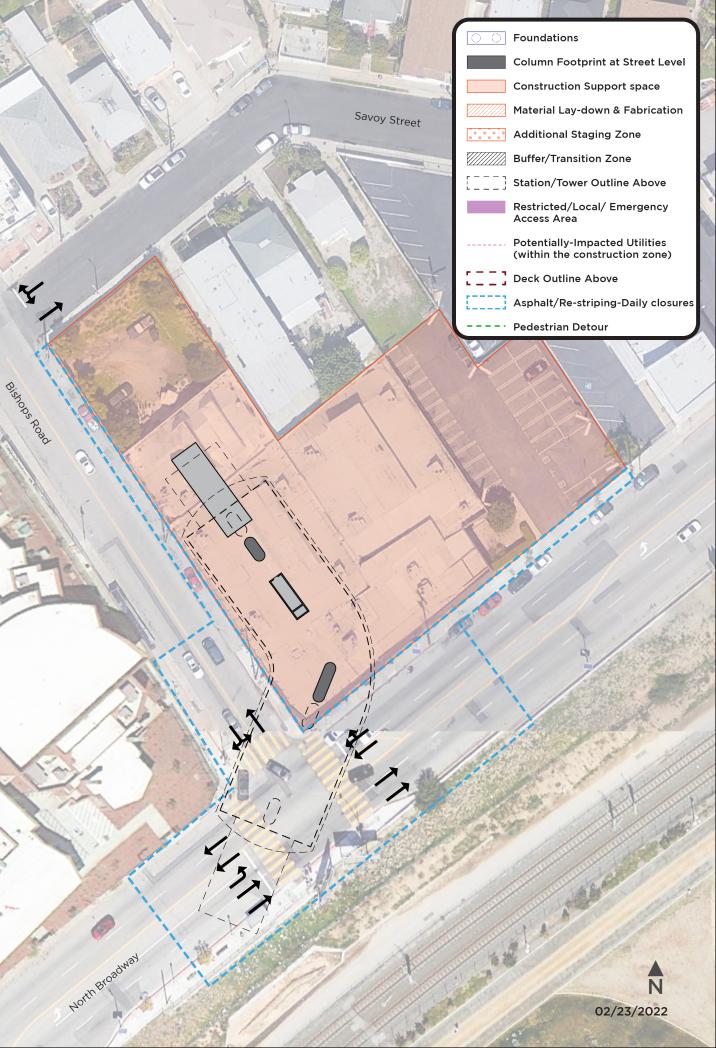
Bishops Road

Lanes and sidewalks closures

 No lane closures, except for asphalt/ re-striping closures







Broadway Junction | Build-Out

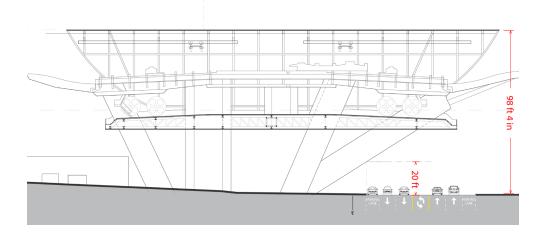
Build-Out Conditions

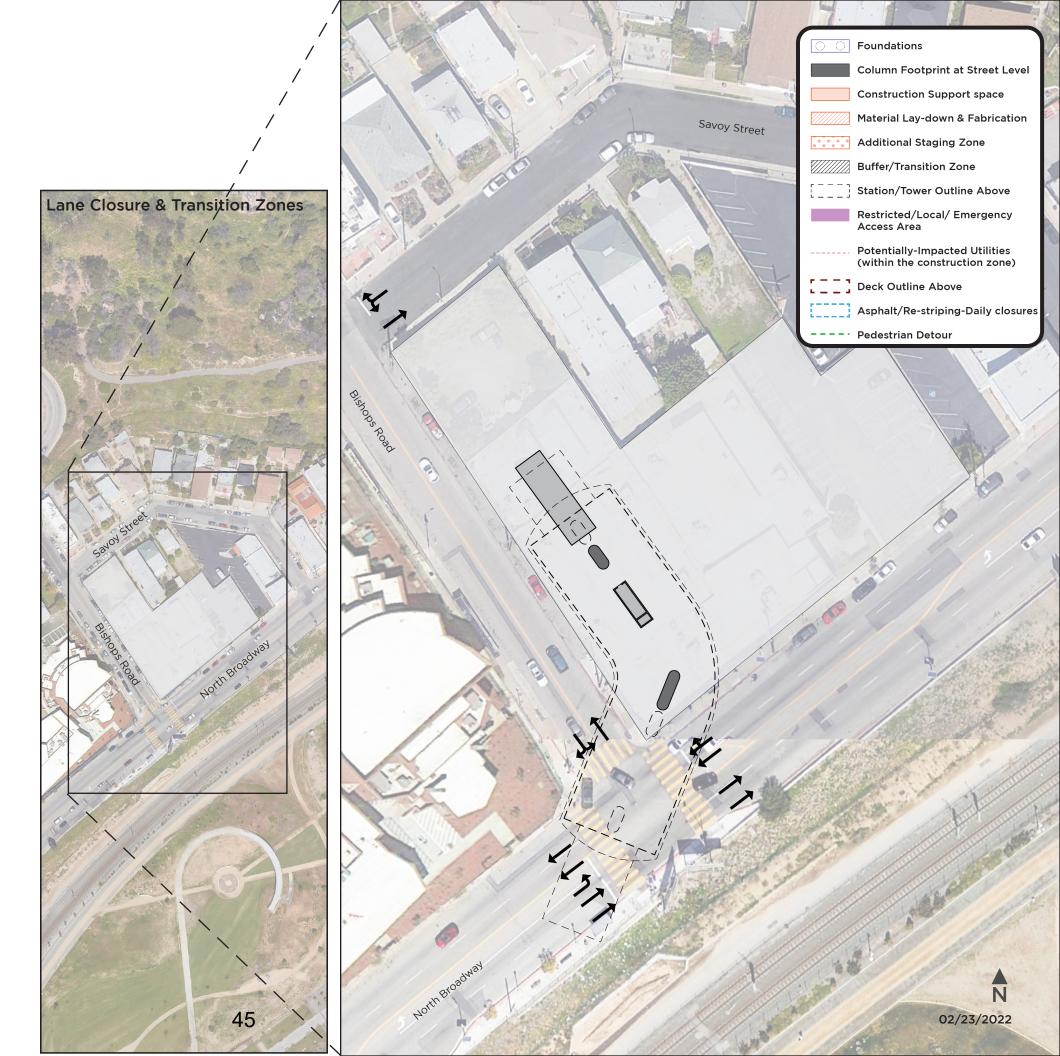
Build-out conditions for North Broadway along the proposed location for the Broadway Junction:

- 1 NBL turn lane
- 2 NB through lanes
- 1SB through lane
- 1SB through-right lane

Build-out conditions for Bishops Road along the proposed location for the Broadway Junction:

- 1 WB through lane
- 1 shared EBL/ EBR turn lane





Stadium Tower

Full-Time Construction Conditions

52 weeks

Required area for Construction 23,500 sqft

Foundations and Columns - 15 weeks
Structural Steel and Gondola Equipment Erection - 26 weeks
Hardscape and Landscape / Interior Work - 11 weeks

Pile Overview

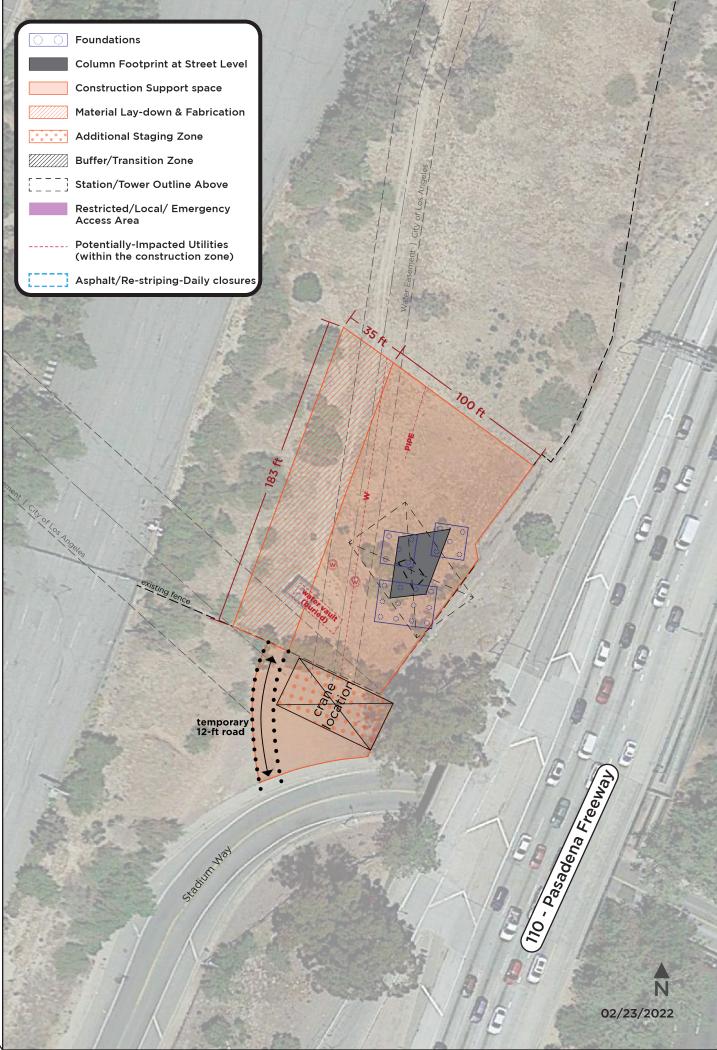
22 total piles; each 3' DIA, up to 120 ft deep below the pile cap

No lane or sidewalk closure required.

A temporary 12-ft access road to be provided off of Stadium Way.

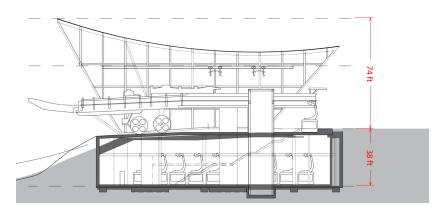


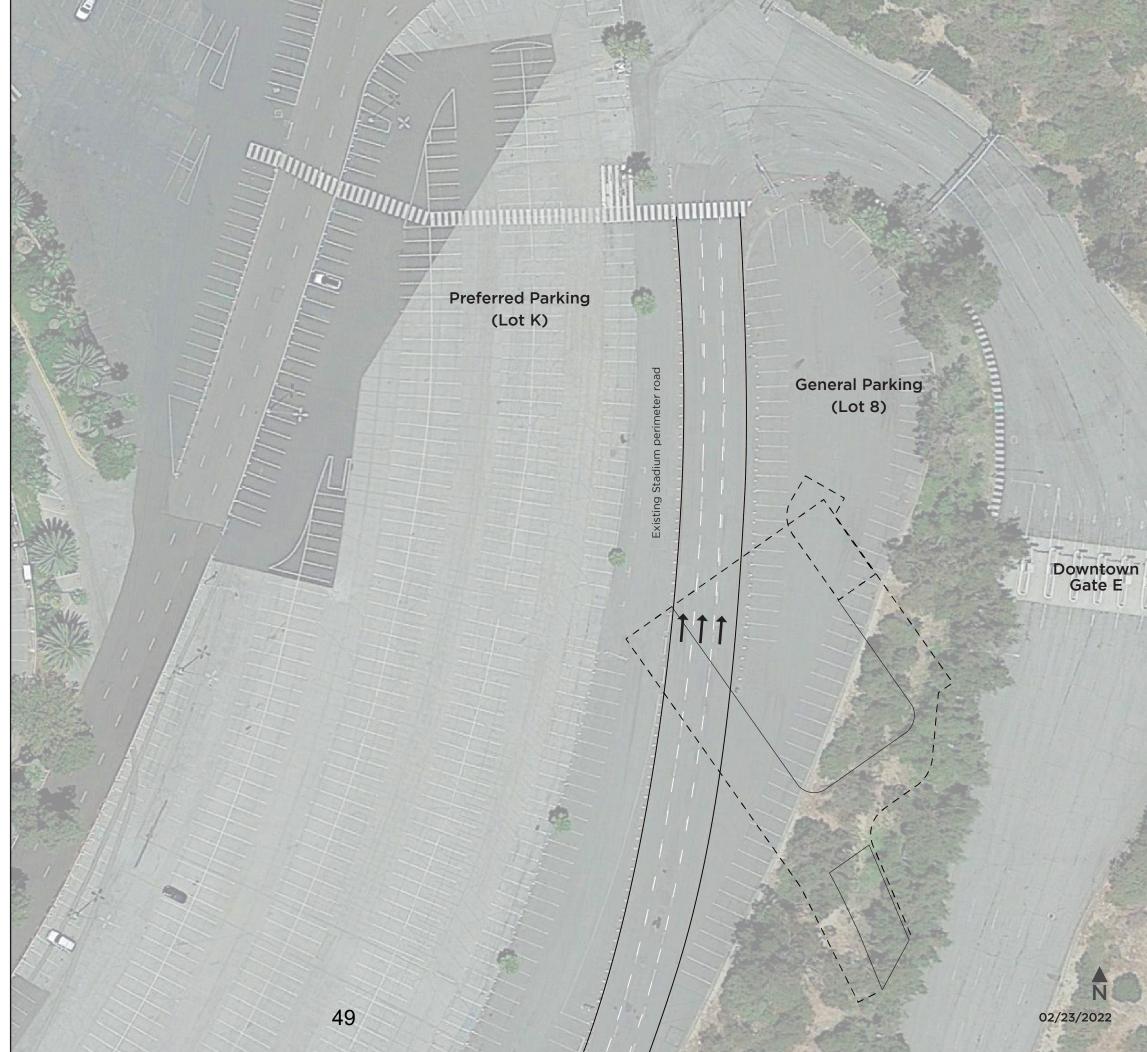




Existing Conditions

The proposed location for the Dodger Stadium Station covers a portion of General Parking Lot 8 near Downtown Gate E.





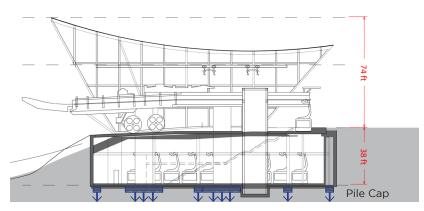
Foundations and Columns 31 weeks

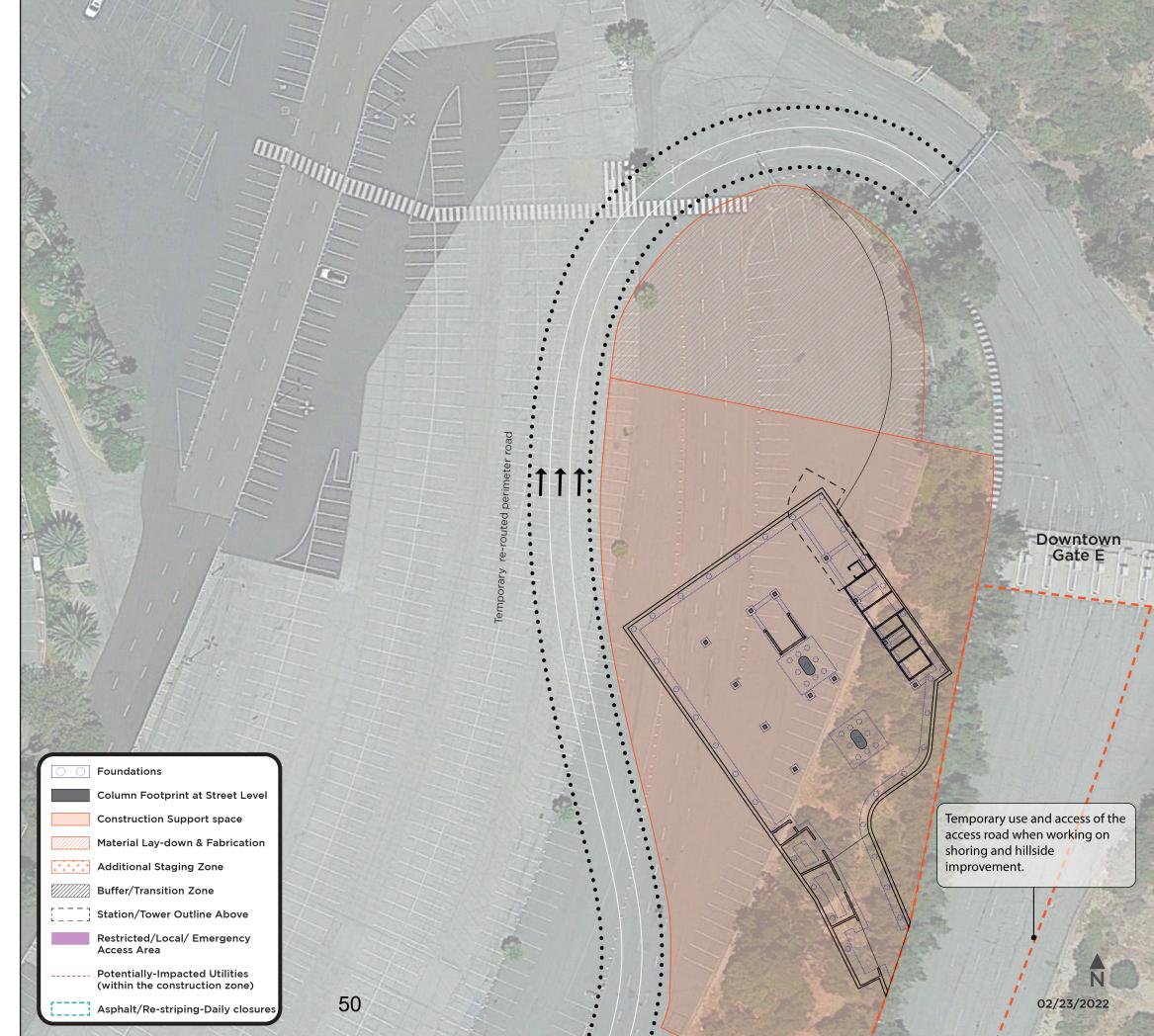
Required area for Construction 87,000 sqft

During construction, the existing Stadium perimeter road will be re-routed around the construction and staging zones.

Pile Overview

64 total piles; each 3' DIA,
18 of 64 total piles up to 40 ft
deep below the pile cap;
34 of 64 total piles up to 50 ft
deep below the pile cap;
12 of 64 total piles up to 55 ft
deep below the pile cap.

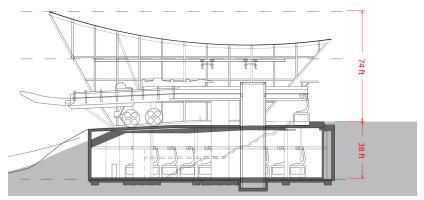


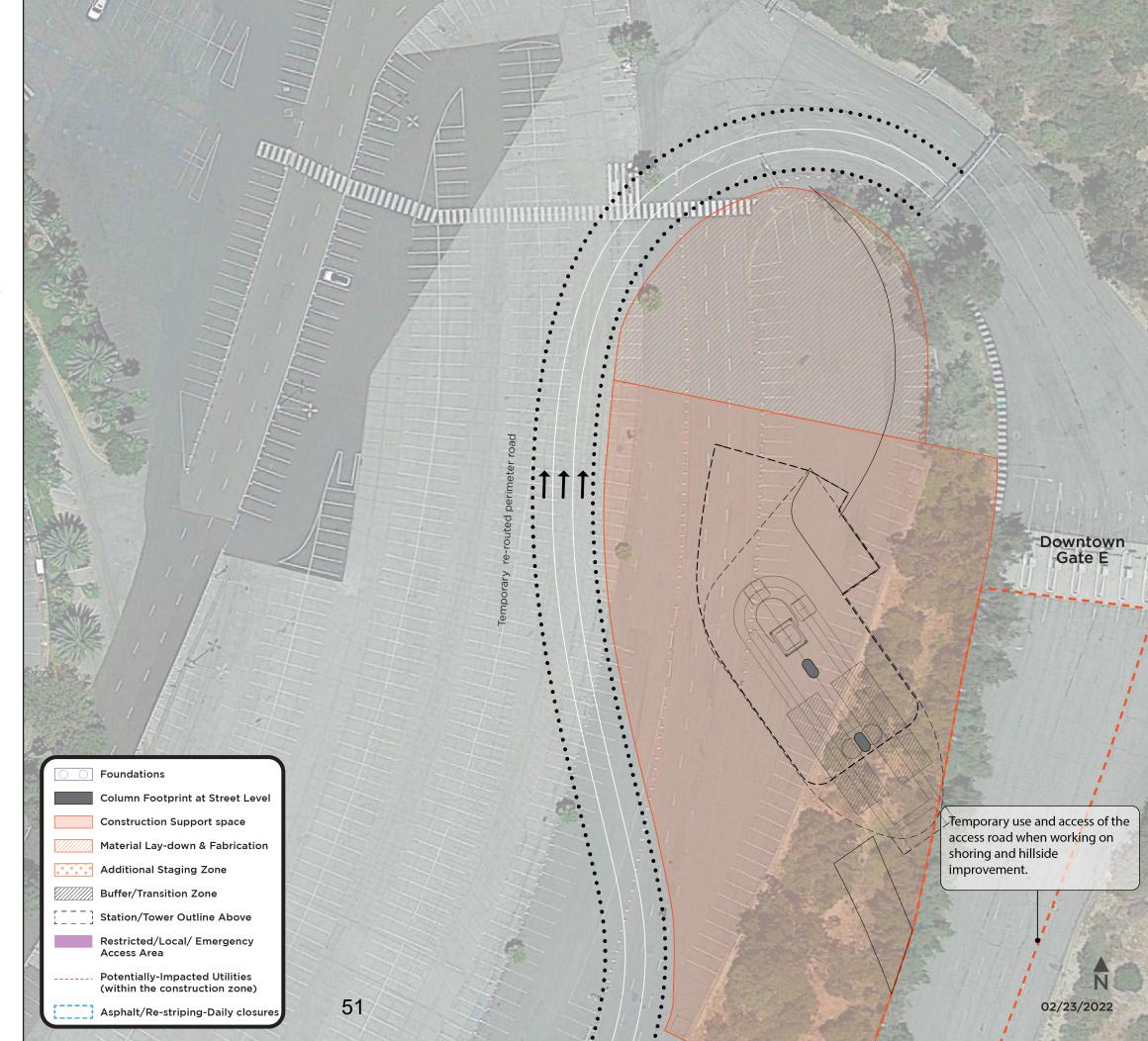


Structural Steel and Gondola Equipment Erection 24 weeks

Required area for Construction 87,000 sqft

During construction, the existing Stadium perimeter road will be re-routed around the construction and staging zones.



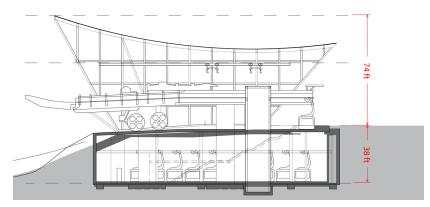


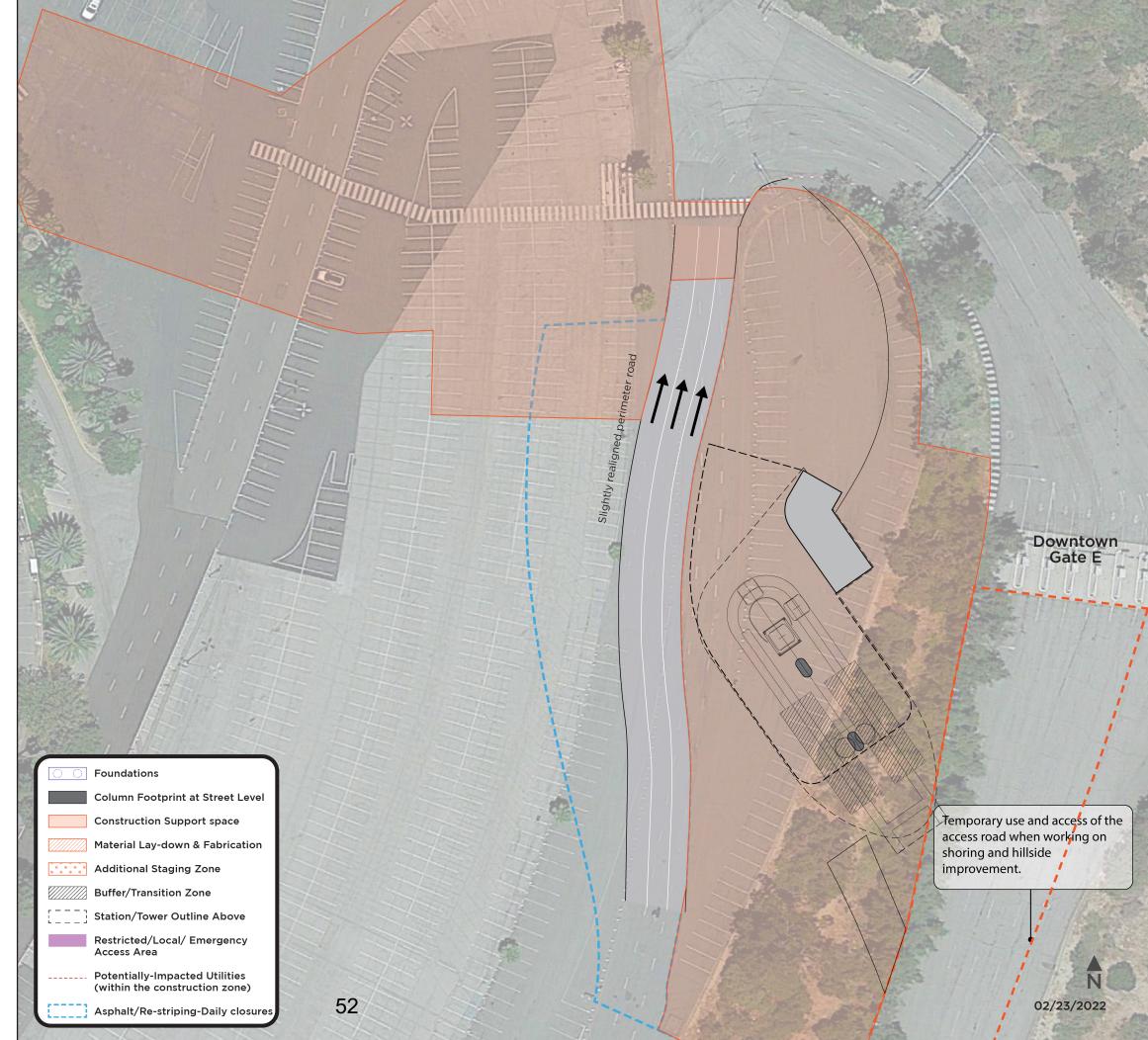
Vertical Circulation/ Hardscape and Landscape/ Interior Work 33 weeks



Curbs, Medians, Asphalt & Re-striping Periodic Closures for 10 working days within a 17-week duration period

Required area for Construction 142,600 sqft





Build-Out Conditions

After completion of construction, the Stadium perimeter road will be slightly realigned to wrap around the western side of the Dodger Stadium Station and its surrounding hardscape and landscape improvements.

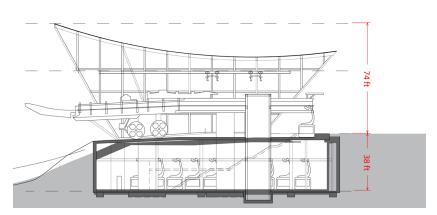




EXHIBIT 2 Construction Equipment Assumptions With Temporary Deck at Alameda Station



Project Component	Phase	Duration (Weeks)	Equipment List for Noise, Vibration, Air Quality, and Greenhouse Gas Modeling Equipment List	Quantity of Equipment Specified in Column D	Equipment List for Worst Case Noise Analysis	Typical Number of Days Equipment Will Be Used	Percentage of Day in Use	Typical Number of Construction Workers Per Day	Roundtrin	Typical Number of Truck Trips Per Day to Project T Component Site (Materials, Deliveries, and On- Road Equipment)	Peak Truck Trips During Either Concrete Pour or Steel Delivery (Days per Phase: Daily Number of Trips:)	Maximum Depth (Excavation and Drilled Piles)	Depth of Site Work	(Cubic	Amount of Export (Including Cement and Soils) (Cubic Yards)	Amount Reused On- Site (Including Soils) (Cubic Yards)	
											During Concrete Pours and Excavation Hauling Days per Phase: 7						
			7 Backhoe	See Equipm	ent Details Below	1 35	7	5	5	0	2 Daily Number of Trips: 24	10'	10'	1000	1000	0	
			Concrete Saw Vibrating Hopper		1	0 7	5	0									
			Compactor (ground)		1	0 7	10	0									
	Utilities		Concrete Mixer Truck Pickup Truck		5	1 7	2	5									
			Roller Gradall/Forklift		1	0 7	10										
			Flat Bed Truck		1	0 7	2	5									
			Dump Truck Front End Loader		1	1 15	2 5	0									
			Vacuum Street Sweeper Shuttle (Passenger)		1	1 35	2	5									
			Vehicles Warning Horn		0	0 35 2 35	2										
			Warning norn	1	2	2] 33	2	5			During Concrete Pours and						
											Excavation Hauling Days per Phase: 3	Foundations: 10'					
		1	Auger Drill Rig*	See Equipm	ent Details Below	0 32	7	5	25 1	יו ויו	0 Daily Number of Trips: 80	Piles: 125	3	2728	2295	433	
			Backhoe Chain Saw		2	0 80	5	0									
			Compactor (ground) Compressor (air)		2	0 5	7 2										
			Concrete Mixer Truck		2	2 34	2										
			Concrete Pump Truck Concrete Saw		1	0 1	5										
			Crane		0	1 80 0 32	2	0									
	Foundations and Columns		Dozer* Drill Rig Truck Dump Truck*		1	0 32	2	5									
			Excavator Flat Bed Truck		2	0 34	5	0									
			Generator		0	0 0	2	0									
			Generator (<25KVA, VMA signs) Gradall		0	0 0		0									
			Gradall Hydra Break Ram		1	1 80	7										
			Jackhammer*		1	0 10	5	0									
			Pavement Scarafier Paver		1	0 1	10 10	0									
			Pickup Truck Pneumatic Tools	1	2	0 9	2	5									
			Pumps Roller*		1	0 16	7	0									
			truck) Vacuum Street Sweeper		1	1 5	5	5									
			Vibrating Hopper		2	2 5	5	5									
			Vibratory Concrete Mixer Warning Horn		4	3 80	2	5									
			Shuttle (Passenger) Welder / Torch		1	1 30	2	5						,			
	Deck Shoring, Cribbing, and																
	Erection Structural Steel		2 Gradall	See Equipm	ent Details Below	2 10	7	5	12	6	5						
	Structurar Steer		Crane Pickup Truck		1	1 10	7	5									
			Flat Bed Truck		3	1 10	5	0									
			Scissor Lift Welder / Torch		1	2 10 1 5	5 5	0									
Alameda Station			Compressor (air) Pneumatic Tools		2	2 10 2 10	5										
			Chain Saw Shuttle (Passenger)		1	1 4	5 2										
			Warning Horn Vacuum Street Sweeper		3	2 10	2 2										
											During Steel Erection Days per Phase: 115						
		2	Backhoe	See Equipm	ent Details Below	0 14		5	25 1	0 1	0 Daily Number of Trips: 2	n/a	n/a	n/a	n/a	n/a	
			Compactor (ground)		2	0 14	5	0 5									
			Compressor (air) Concrete Mixer Truck Concrete Pump Truck		2	2 14 0 14	2 5	5 0									
			Crane Flat Bed Truck		1	1 140 1 140	7 2	<u>5</u>									
	Structural Steel and Gondola		Flat Bed Truck Generator Generator (<25KVA, VMA Gradall Pickup Truck		0	0 0		Ⅎ									
	Equipment		Gradall Pickup Truck		5	1 140 1 140	7 2	5 5									
	Erection		Pneumatic Tools Vacuum Excavator (Vac- Vacuum Street Sweeper Ventillation Fan		2	2 140 0 5	2 5	5									
			Vacuum Street Sweeper Ventillation Fan		1	1 28 1 140	2 7	5									
			Vibrating Hopper Vibratory Concrete mixer		4	0 14 0 14	2 2	5									
			Warning Horn Hand Held Metal Saw		1	4 140 0 50	5	0									
			Shuttle (Passenger) Manlifts Welder / Torch		2	0 140 0 120 4 140	2 7 2										
	Deck Removal		3 Gradall	See Equipm	ent Details Below				12	6 1	0						
	1	l	Gradall		2	2 15	7	5		·		·	·			1 7	



	i i	Crane	1		15 50	1						ĺ
		Crane Vacuum Street Sweeper Flat Bed Truck	1	1	15 50 1 25 15 50	4						
		Flat Bed Truck	3	1	15 50 15 50	1						
		Scissor Lift Welder / Torch	1	1	15 50 7 50 15 50 15 50	1						
		Compressor (air)	2	2	15 50							
		Pneumatic Tools Shuttle (Passenger)	5	2	15 50 15 25 15 25 15 25 15 25	1						
		Shuttle (Passenger)	1	0	15 25 15 25 15 25	4						
		Warning Horn Pickup Truck	3 5	2	15 25 15 2F	1						
		Tickup Truck			15 25			During Paving			T T	
								Days per Phase: 1				
		2	See Equipment Details Below		401	10	0	0 Daily Number of Trips: 10	/a	1'	n/a n/a	n/a
		Paver Roller Ground compactor Warning Horn Excavators Pickou Truck District Electric Compactor District Electric Compactor Statistics Electric Compactor Statistics Electric Compactor Statistics Electric Compactor Statistic Classenger Statistic Classenger	1		10 100 10 100 5 50 10 25	1						
	Annhalt & Da	Ground compactor	2		5 50	1						
	Asphalt & Re- Striping	Warning Horn	2	2	10 25	4						
	Surping	Pickun Truck	5	1								
		Dump Truck	2	1	10 25 5 25]						
		Flat Bed Truck	1 2	0	5 25 10 75	4						
		Shuttle (Passenger)	2		10 75							
		Shuttle (Passenger) Vacuum Street Sweeper	Ĭ.	i	10 25 2 25	l						
								During Hardscape Days per Phase: 20				
		27	See Equipment Details Below			1 20	10	10 Daily Number of Trips: 10	la.	01	n/a n/a	n/a
		Rackhoe Rackhoe	1	1	54 50	20	10	To Daily Number of Trips. To	/d	0	jiva jiva	II/a
		Compactor (ground)			15 25	1						
	V41 C' '	Backhoe Compactor (ground) Concrete Mixer Truck	1		54 50 15 25 15 25 50 50	A .						J
	Vertical Circ. /		1	1	0 50	1						J
	Hardscape &	Generator Dump Truck	1	1	0 50 25	[J
	Landscape/ Interior Work	Flat Bed Truck	1	1	65 25							
	IIILETIOF VVOTK	Pickup Truck	5	1	80 25	1						J
		Gradall	1	0 1	135 50 135 25	4						J
		Welders	1	1 1	35 25	4						J
		Vehicles Warning Horn	1 2	0 1	135 25	1						J
		Varning Horn Vacuum Street Sweeper	3 1	1 1	50 25 65 25 80 25 135 50 135 25 135 25 135 25 20 25	1						J
		vacuulii Sireer Sweepei	-		20			During Concrete Pours and				
								Excavation Hauling				
								Days per Phase: 2			4	
		2	See Equipment Details Below			5	0	2 Daily Number of Trips: 5	0'	10'	160	160
		Backhoe	1		11 75	1						
		Concrete Saw		0	2 50	1						
		Vibrating Hopper	1	0	2 75 2 100 2 25	1						
		Compactor (ground) Concrete Mixer Truck	2		2 25							
	Utilities	Concrete Mixer Truck Pickup Truck Roller Gradall/Forklift	5	1	2 25							
		Roller	1	0	2 100							
		Gradall/Forklift	1	1	2 100 35 50							
		Flat Bed Truck	1	0	7 25							
		Dump Truck Front End Loader	1	1	7 25 15 50 35 25	4						
		Front End Loader	1	1	15 50 35 25	1						
		Vacuum Street Sweeper Shuttle (Passenger)			35 25	1						
		Vehicles	0	0	35 25 11 25							
		Warning Horn	2	2	11 25							
								During Concrete Pours and				
								Excavation Hauling Days per Phase: 3	oundations: 10'			
		Auger Drill Rig* Backhoe Chain Saw	See Equipment Details Below			25	10	10 Daily Number of Trips: 80	'iles: 120'	3'	2850	2292
		Auger Drill Rig*	1		32 75							
		Backhoe Chain Sau	2	0	80 50 1 50	4						
					5 75							
		Compactor (ground)	2	0		4						
		Compactor (ground) Compressor (air)	2 2	0	9 25							
		Compactor (ground) Compressor (air)	2 2 2 2		9 25							
		Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Pump Truck	2 2 2 1 1 1		9 25 34 25 2 50							
		Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Pump Truck Concrete Saw Crane	2 2 2 1 1 1	1 0	9 25 34 25 2 50 1 100 80 25							
		Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Pump Truck Concrete Saw Crane	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0	9 25 34 25 2 50 1 100 80 25							
		Compactor (ground) Compressor (air) Concrete Maver Truck Concrete Saw Concrete Saw Crane Dozer* Drill Rig Truck	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0	9 25 34 25 2 50 1 100 80 25 32 100 32 25							
		Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Concrete Saw Crane Dozer Drift Rig Truck Dump Truck Everager Everager	2 2 2 2 1 1 1 1 0 1 1 3 2	1 0 1 0 0	9 25 34 25 2 50 1 100 80 25 32 100 32 25							
		Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Concrete Saw Crane Dozer Drift Rig Truck Dump Truck Everager Everager	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 25 32 100 32 55 32 100 34 50							
	Foundations and	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Concrete Saw Crane Dozer Drift Rig Truck Dump Truck Everager Everager	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 0 0 0	9 25 34 25 2 50 1 100 80 25 32 100 32 25							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Concrete Saw Crane Dozer Drift Rig Truck Dump Truck Everager Everager	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 25 32 100 34 50 0 0 0							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Crane Dozer* Drill Rig Truck Dump Truck Excavator Flat Bed Truck Generator Generator (-25KVA, VMA Gradall	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 25 34 25 25 22 50 50 50 50 50 50 50 50 50 50 50 50 50							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Overse Doil Rig Truck Dump Truck Dump Truck Excavator Flat Bed Truck Generator Generator (<25KVA, VMA Gradall Hydra Break Ram	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 25 32 100 34 50 30 25 0 0 0 0 80 75 1 1 50							
	Foundations and Columns	Compeactor (ground) Compressor (ar) Concrete Mixer Truck Concrete Saw Crane Concrete Saw Crane Dozer* Diff Rig Truck Dump Truck Excavator Flat Bed Truck Generator Generator (~25KVA, VMA Gradil Hydra Break Ram Jackhammer*	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 55 1 100 80 25 32 25 32 26 32 32 32 32 32 32 32 30 30 52 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 10 50							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concrete Drift Rig Truck Dump Truck* Excavator Flat Bed Truck Generator Generator Generator (<25KVA, VMA, Gradall Hydra Break Ram Jackhammer* Pawement Scarafer	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 25 32 100 34 50 0 0 0 0 0 80 75 1 50 10 50							
	Foundations and Columns	Compeactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Crane Dozer Doze	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 100 80 25 32 100 80 25 32 100 34 50 0 0 0 0 0 0 1 1 50 10 50 11 100 11 100							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concr	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 100 80 25 32 100 80 25 32 100 34 50 0 0 0 0 0 0 1 1 50 10 50 11 100 11 100							
	Foundations and Columns	Compeactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Crane Dozer Doze	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 80 225 32 100 83 22 100 83 22 100 83 22 100 83 22 100 84 150 9 0 0 0 10 0 0 11 100 80 75 11 100 80 12 50 11 100 80 25 9 25							
	Foundations and Columns	Compactor (ground) Compactor (ar) Concrete Mixer Truck Concrete Mixer Truck Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Dozer Drift Rig Truck Dump Truck Excavator Flat Bed Truck Generator Generator (<25KVA, VMA Gradal Hydra Braak Ram Jackhammer Pawemen Soarafer Pawer Pickup Truck Pneumatic Tools Pneumatic Tools Purps	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 25 32 100 32 100 34 50 35 100 36 50 37 100 38 100 39 100 30							
	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (as') Concrete Mixer Truck Concrete Pump Truck Concrete Seav Cranes Seav Cranes Seav Cranes Seav Dozer* Drill Rig Truck Dump Truck* Excavator Flist Bed Truck Generator Generator (~25KVA, VMA Gradell Hydra Break Ram Jackhammer* Pawement Scarafier Pawement Scarafier Pawer Pickup Truck Pneumatic Tools Pumps Roller*	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 1000 80 25 32 100 32 25 32 100 34 50 0 0 0 0 0 0 0 1 1 50 1 1 100 80 25 9 25 16 75 1 1 100							
	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (as') Concrete Mixer Truck Concrete Pump Truck Concrete Seav Cranes Seav Cranes Seav Cranes Seav Dozer* Drill Rig Truck Dump Truck* Excavator Flist Bed Truck Generator Generator (~25KVA, VMA Gradell Hydra Break Ram Jackhammer* Pawement Scarafier Pawement Scarafier Pawer Pickup Truck Pneumatic Tools Pumps Roller*	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 50 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1 1000 1 1 1 1 1000 1 1 1 1 1 1000 1 1 1 1 1 1000 1 1 1 1 1 1000 1 1 1 1 1 1000 1 1 1 1 1 1000 1							
	Foundations and Columns	Compactor (ground) Compactor (ar) Concrete Mixer Truck Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Dumb Truck Excavator Flat Bed Truck Generator Generator (<26KVA, VMA Gradia Hydra Break Ram Jackhammer Pawement Scarlier Paweme	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 2 50 50 1 1 1000 80 25 32 1000 80 25 32 1000 80 1000 80 1000 80 1000 80 1000 80 1000 80 1000 80 1000 80 1000 80 100 10							
	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concrete Saw Concrete Saw Concrete Saw Concrete Saw Concrete Drift Rig Truck Dump Truck Excavator Flat Bad Truck Generator Generator (<25KVA, VMA, Gradall Hydra Break Ram Jackhammer' Pawement Scarfier Pawer Pickup Truck Peneumate Tools Pumps Roller' truck Vacuum Street Sweeper	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 22 50 1 1 1000 80 25 32 100 32 100 32 100 32 100 32 100 34 1 50 30 12 5 10 10 10 10 11 100 80 25 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 100 5 1 1 1 1							
	Foundations and Columns	Compactor (ground) Compactor (ar) Concrete Mixer Truck Concrete Sew Durit Rig Truck Dump Truck* Excavator Flat Bed Truck Generator Centerator Centera	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 2 55 32 100 34 55 30 25 30 100 41 50 80 75 1 1 50 80 75 1 1 50 80 55 9 25 1 1 100 5 5 5 55 5 55 34 5 55							
Alamada Tarriri	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concrete Mixer	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 22 50 1 1 1000 80 25 32 100 80 175 1 1 50 10 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 1 100 80 25 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Alameda Tower	Foundations and Columns	Compactor (ground) Compactor (ar) Concrete Mixer Truck Concrete Sew Durit Rig Truck Dump Truck* Excavator Flat Bed Truck Generator Centerator Centera	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2 50 1 1 100 80 25 32 100 32 2 55 32 100 34 55 30 25 30 100 41 50 80 75 1 1 50 80 75 1 1 50 80 55 9 25 1 1 100 5 5 5 55 5 55 34 5 55							
Alameda Tower	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concrete Mixer	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 22 50 1 1 1000 80 25 32 100 80 175 1 1 50 10 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 1 100 80 25 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			During Steel Erection				
Alameda Tower	Foundations and Columns	Compactor (ground) Compactor (ar) Compressor (ar) Concrete Mixer Truck Concrete Sew Diff Rig Truck Dump Truck* Excavator Flat Bed Truck Generator Generator (~26KVA, VMA Gradial Hydra Break Ram Jackhammer* Pawement Scarafier P	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 22 50 1 1 1000 80 25 32 100 80 175 1 1 50 10 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 100 80 25 30 1 1 1 1 100 80 25 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			During Steel Erection Days per Phase: 93	(a			
Alameda Tower	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Government Concrete Saw Generator Generator Generator (<25KVA, VMA Gradall Hydra Break Ram Jackhammer* Pawern Scarafer Pawer Pickup Truck Pheumatic Tools Pumps Roller* Iruck) Vacuum Street Sweeper Vibrating Hopper	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 2	25	10	During Steel Erection Days per Phase: 95 10 Daily Number of Trips: 2	/a	n/a	n/a n/a	n/a
Alameda Tower	Foundations and Columns	Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Sew Durb Truck Excavator Flat Bed Truck Generator Generator Generator Generator (~25KVA, VMA Gradell Hydra Brask Ram Jackhammer Pawenent Scarafier Pawenent S	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 1 1 1 100 80 25 1 1 1 100 80 25 1 1 1 100 80 25 30 34 1 25 30 30 25 30 34 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	25	10	During Steel Erection Days per Phase: 95 10 Daily Number of Trips: 2	/a	n/a	n/a n/a	n/a
Alameda Tower	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Crane Saw Crane Saw Crane Saw Crane Saw Dozer* Drill Rig Truck Dump Truck* Excavator Flist Bed Truck Generator Generator (~25KVA, VMA Gradali Hydra Break Ram Jackhammer* Pawenn Scarafier Pawenn Scarafier Pawer Pickup Truck Pneumatic Tools Pumps Roller* truck) Vacuum Street Sweeper Vibrating Hopper Vibrating Hopper Vibratory Concrete Mixer Warning Hon Verbicles Wedder / Torch	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 1 1 1 100 80 25 1 1 1 100 80 25 1 1 1 100 80 25 30 34 1 25 30 30 25 30 34 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	25	10	During Sited Erection Days per Phase: 95 10 Daily Number of Trips: 2	/a	n/a	n/a n/a	n/a
Alameda Tower	Foundations and Columns	Compactor (ground) Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Crane Saw Crane Saw Crane Saw Crane Saw Dozer* Drill Rig Truck Dump Truck* Excavator Flist Bed Truck Generator Generator (~25KVA, VMA Gradali Hydra Break Ram Jackhammer* Pawenn Scarafier Pawenn Scarafier Pawer Pickup Truck Pneumatic Tools Pumps Roller* truck) Vacuum Street Sweeper Vibrating Hopper Vibrating Hopper Vibratory Concrete Mixer Warning Hon Verbicles Wedder / Torch	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 1 1 1 100 80 25 1 1 1 100 80 25 1 1 1 100 80 25 30 34 1 25 30 30 25 30 34 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	25	10	During Steel Erection Days per Phase: 95 10 Daily Number of Trips: 2	/a	n/a	n/a n/a	n/a
Alameda Tower	Foundations and Columns	Compactor (ground) Compressor (ar) Concrete Mixer Truck Concrete Mixer Truck Concrete Saw Concrete Mixer C	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 25 34 25 22 50 1 1 1000 80 25 30 2 50 1 1 1000 80 25 30 2 50 30 2 50 30 2 50 30 2 50 30 2 50 30 30 30 30 30 30 30 30 30 30 30 30 30	25	10	During Steel Erection Days per Phase: 95 10 Daily Number of Trips: 2	/a	n/a	_n va n/a	n/a



	0	Flat Bed Truck 1 1 130 Generator 0 0 0	25
	Structural Steel	signs) 0 0 0	0
	and Gondola Equipment		75
	Equipment	Pickup Truck 5 1 130	25
	Election	Creation 1 130 Prickup Truck 5 1 130 Prickup Truck 5 2 2 130	25
		Itruck) 1 U 5	50
		Vacuum Street Sweeper 1 1 26 Ventillation Fan 1 1 130	Z5 75
		Vibrating Hopper 2 0 13	25
		Vibratory Concrete mixer 4 0 13	25
		Warning Horn 4 4 130	25
		Hand Held Metal Saw 1 0 45	25
		Shuttle (Passenger) 2 0 130	25
		Manifts 2 0 110 Welder / Torch 4 4 130	25 25
		Welder / Total 4 130	During Paving
			During Paving Days per Phase: 1
		2 See Equipment Details Below	10 0 0 Daily Number of Trips: 10 n/a 1' n/a n/a n/a
		Paver 1 1 1 10 Roller 1 1 10	100 100
		Green compactor 2 0 5	50
	Asphalt & Re-	Ground compactor 2 0 5 Warning Horn 2 2 10	25
	Striping	Excavators 0 0 0	0
		Pickup Truck 5 1 10	25
		Dum Truck 2 1 5	
		Dump Truck 2 1 5 Flat Bed Truck 1 0 5 Backhoe 2 2 10	<u> </u>
		Shuttle (Passenger) 2 0 10	25
		Vacuum Street Sweeper 1 1 2	25
			During Hardscape Days per Phase: 20
		14 See Equipment Details Below	20 10 10 Daily Number of Trips: 10 n/a n/a n/a n/a n/a n/a
		Backhoe 2 2 28	50
		Compactor (ground) 1 1 15	25
		Concrete Mixer Truck 1 1 15	
	Hardscape &	Generator 0 0 0 Dump Truck 1 1 28	50
	Landscape/	Dump Truck 1 1 28 Pickup Truck 5 1 70	30 25
	Interior Work	Gradall 1 1 70	50
		Welders 1 0 70	25
		Flat Bed Truck 1 1 70 Shuttle (Passenger)	25
		Shuttle (Passenger) Vehicles 2 0 70	25
		Warning Horn 3 2 70	25
		Warning Horn 3 2 70 Vacuum Street Sweeper 1 1 20	25 25
			During Concrete Pours and
			Exeavation Hauling Days per Phase: 3
		3 See Equipment Details Below	Dayly Bur Friance: 3
		Backhoe 1 1 1 13	75
		Concrete Saw 1 0 3	50
		Vibrating Hopper 1 0 3	50 75 100 25 25 25 50 50
		Compactor (ground) 1 0 3 Concrete Mixer Truck 2 1 3	100
	Utilities	Pickup Truck 5 1 3	25
		Roller 1 0 3	100
		Gradall/Forklift 1 1 35	50
		Flat Bed Truck 1 0 7	
		Dump Truck 1 1 7 Front End Loader 1 1 15	25 50 25
		Front End Loader 1 1 15 Vacuum Street Sweeper 1 1 35	25
		Shuttle (Passenger)	
		Vehicles 0 0 35	25 25
		Warning Horn 2 2 13 15 See Equipment Details Below	25 25 10 10 During Concrete Pours and Foundations: 10' 3' 3606 2887 719
		Auger Drill Rig* 1 0 30	25 10 10 During Concrete Pours and Foundations: 10' 3' 3606 2887 719 75 Piles: 120'
		Backhoe 2 0 75 Chain Saw 1 0 1	50 50
		Chain Saw 1 0 1	50
		Compactor (ground) 2 0 5	75 25
		Concrete Mixer Truck 2 2 32	
		Concrete Pump Truck 1 1 2	50
		Concrete Saw 1 0 1	100
		Dozer* 0 0 30	100
		Drill Rig Truck 1 0 30	25
		Dump Truck* 3 0 30 Excavator 2 0 32	25 50 100 25 100 25 100 50
		Excavator 2 0 32	50
	Form detions and		
	Foundations and	Generator U U U U Generator (25KVA, VMA 0 0 0 0 Gradall 1 1 75	<u> </u>
	Columns	Generator (<25KVA, VMA 0 0 0 Gradall 1 1 75	75
		Hydra Break Ram 1 0 1 Jackhammer* 1 0 10	50 50
		Pavement Scarafter 1 0 1 1 1	100
		Paver 1 0 1	100 100
		Pickup Truck 10 1 75	25
		Pneumatic Tools 2 0 9 Pumps 1 0 15	25 25 75
		Roller 1 0 15	100
		Roller* 1 0 1 Vacuum Excavator (Vac- 1 1 5	100 50
		Vacuum Street Sweeper 1 1 15	75 50
		Vibrating Hopper 2 2 5	
Alpine Tower		Vibratory Concrete Mixer 6 0 32 Warning Horn 4 3 75	25 25
Albino 10461		Shuttle (Passenger) 1 0 80	25 25 25
		Welder / Torch 1 1 30	25
		28 See Equipment Details Below Backhoe 2 0 14	25 10 10 During Steel Erection In/a In/a In/a In/a In/a In/a
		Compactor (ground) 2 0 14	50
		Compressor (air) 1 1 140	50 25
		Concrete Mixer Truck 2 2 14	25 50
		Concrete Pump Truck 1 0 14 Crane 1 1 140	50 75
	1 1	Crane 1 1 140	19



	Structural Steel and Gondola Equipment Erection	Flat Bed Truck Generator G	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	25 0 0 75 25 25 50 25 75 25 25 25 25 25 25 25 25 25 2	10 0		/a 1 ¹	n/a	n/a	
	Vertical Circ. / Hardscape & Landscape/ Interior Work	Backhoe Compactor (ground) Concrete Mixer Truck Generator Dump Truck File Bed Truck Pickup Truck Gradail Welders Vehicles Warning Horn Vacuum Street Sweeper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 24 1 15 1 15 1 15 0 0 0 1 24 1 24 1 80 1 80 0 60 0 60 0 60 0 60	50 25 25 0 0 25 25 25 25 50 25 25 25 25 25 25 25 25 25 25 25 25 25	201 101		re pre	jvea	jwa jwa	a
	Utilities	Backhoe Concrete Saw Vitrating Hopper Compactor (ground) Concrete Mase Truck Product Product GradeliFortiff Fall Bof Truck Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger) Vehicles Warning Horn	See Equipment Details Below 1	1	75 50 70 75 100 25 25 100 90 90 25 25 25 25 25 25 25 25 25 25 25 25 25	5 0	During Concrete Pours and Excavation Hauling Days per Phase: 2 2 Daily Number of Trips: 5 1	0' 10'		160 160	0
Chinatown / State Park Station	Foundations and Columns	Autoer Drill Rich Backhoe Chain Saw Compactor (ground) Compressor (alr) Concrete Mixer Truck Concrete Pump Truck Concrete Pump Truck Concrete Saw Crane Doal Rich Truck Dump Truck Exavator Fail Bed Truck Generator Generator (<25KVA, VMA Gradall Hydra Break Ram Jackhammer* Pawerem Scarafier Pawer Pickup Truck Pneumatic Tools Pumps Roller* Truck Vistating Automatic Tools Pumps Roller* Truck Vistating Hopper Vistating Hopper Vistating Hopper Vistating Hopper Vistating Hopper Vistating Concrete More Warning Hop Shuffle Passenger) Welder / Torch	See Equipment Details Below	0 42 0 105 0 105 0 1 1 0 5 0 9 2 44 1 2 44 1 1 2 1 1 100 0 42 0 42 0 42 0 42 0 42 0 0 42 1 1 30 0 0 0 1 1 105 0 0 0 0 0 0 0 1 1 105 0 1 1 1 105	75 50 50 50 75 25 25 60 100 100 25 25 100 0 0 75 50 0 0 0 0 75 50 100 100 25 50 100 100 25 50 100 100 25 25 75 50 100 25 25 25 25 25 25 25 25	25 10	During Concrete Pours and Exception 1 Days per Phase: 7 Pulper Phase: 7 Pulper Phase: 7 Pulper Phase: 80 Pul	oundations: 10' 3' 3'		6267 4567	1700
		Backhoe Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Pump Truck	See Equipment Details Below 2 2 2 1 1 2 1	0 14 0 14 1 140 2 14 0 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 50 25 25 50	25 10	Lusys per Phase: 1800 10 Daily Number of Trips: 2 n	/a n/a	n/a	n/a n/a	a



	Crane 1 1 140 Flat Bed Truck 1 1 140 Generator 0 0 0 Generator (<25kVA, VMA)	75
Structural Steel	Figure 1 1 140 Generator 0 0 0	20 0
and Gondola	Generator (<25KVA, VMA 0 0 0 0	
Equipment		75
Erection	Pickup Truck 5 1 140 Pneumatic Tools 2 2 140	25
El ostion		50
	Vacuum Excavator (Vac- 1 0 5 Vacuum Street Sweeper 1 1 28	25
	Ventillation Fan 1 1 140	75
	Vibrating Hopper 2 0 14 Vibratory Concrete mixer 4 0 14	25
		25
	Hand Held Metal Saw 1 0 45	25
	Shuttle (Passenger) 1 0 140	25
	Shuttle (Passenger) 1 0 140 Manifts 2 0 120 Welder / Torch 4 4 140	50
	veider / Total 4 4 140	During Paving
		During Paving Days per Phase: 1
	2 See Equipment Details Below Paver 1 1 1 10	10 0 0 Daily Number of Trips: 10 n/a 1' n/a n/a n/a
	Paver 1 1 10 Roller 1 1 10 Ground compactor 2 0 10 Warning Horn 2 2 10	100
	Ground compactor 2 0 10	50
Asphalt & Re-	Warning Horn 2 2 10	25
Striping	Excavators 0 0 0	0
	Prick 5 1 10 10 10 10 10 10 10 10 10 10 10 10 1	29 50
	Fiat Bed Truck 1 0 10	25
	Backhoe 2 2 10	50
	Viral Institute Viral Inst	25
		During Hardscape
	Con Equipment Date 1. Date 1.	Days per Phase: 20
	40 See Equipment Details Below Backhoe 1 1 1 80	20 10 10 Daily Number of Trips: 10 n/a 6' n/a n/a n/a
		25
Vertical Circ. /	Concrete Mixer Truck 1 1 15 Crane 1 1 100	25
Hardscape &	Crane 1 1 100 Generator 0 0 0	30
Landscape &	Pickup Truck 5 1 80	25
Interior Work	Dump Truck 1 1 50	25
IIICIOI VIOIR	Flat Bed Truck 1 1 120	25
	Gradall 1 0 200 Welders 1 1 135	50 oc
	Vehicles 1 0 200	25 25
	Warning Horn 3 2 200 Vacuum Street Sweeper 1 1 20	
	Vacuum Street Sweeper 1 1 20	25 25
		During Concrete Pours and Excavation Hauling
		Days per Phase: 8
	8 See Equipment Details Below	5 0 2 Daily Number of Trips: 5 10' 10' 111 111 0
	Backhoe 1 1 38	75
	Concrete Saw 1 0 8 Vibrating Hopper 1 0 8	50
	Vibrating Hopper 1 0 8 Compactor (ground) 1 0 8	75 100
	Concrete Mixer Truck 2 1 8	25
Utilities	Pickup Truck 5 1 8	25 25 100
	Roller	100
	Gradall/Forklift 1 1 35 Flat Bed Truck 1 0 7	50
	Dump Truck 1 1 7	25
	Front End Loader 1 1 15	25 25 50 25
	Vacuum Street Sweeper 1 1 35	25
	Shuttle (Passenger) Vehicles: 1 0 35	
1	Vehicles 1 0 35 Warning Horn 2 2 38	25 25
		During Material Hauling
	Out Factorial Date in the	Days per Phase: 12 18" to bottom of the slab on
	3 See Equipment Details Below 15 Backhoe 2 1 1 15	5 10 10 Daily Number of Trips: 70 grade 18" 0 9008 0
	Hydra Break Ram 1 1	
Demo Building	Hydra Break Ram 1 1 1 Chain Saw 1 1 1 1	50
(Overlaps	Concrete Saw 1 1 1 Dozer* 1 1 12	100
w/Foundations	Dozer* 1 1 12 Dump Truck* 70 5 12	1
and Columns	Excavator 2 2 15	50
Phase)	Jackhammer* 1 1 1 10	50 25
1	Pickup Truck 10 2 15 Vacuum Street Sweeper 1 1 15	Z5 75
	Vacuum Street Sweeper 1 1 15 Warning Horn 3 1 15	75 25
	Shuttle (Passenger)	
	Vehicles 1 0 15	25 25
H	Welder / Torch 1 1 5	25 During Concrete Pours and
		Excavation Hauling
		Days per Phase: 8 Foundations: 7'
	28 See Equipment Details Below	25 10 10 Daily Number of Trips: 80 Piles: 120' 8' 6407 5379 1028
	Auger Drill Rig* 1 0 56	75 50
	Chain Saw 1 0 1	50
	Compactor (ground) 2 0 5	75
	Compressor (air) 2 0 9 Concrete Mixer Truck 2 2 58	25 95
	Concrete Mixer Truck 2 2 58	50
	Concrete Saw 1 0 1	25 25 50 100 25 100
	Crane 1 1 140 Dozer* 0 0 56	25
	Dozer* 0 0 56	100
	Drill Rig Truck 1 0 56 Dump Truck* 3 0 56	25 100
	Excavator 2 0 58	50
Foundations and	Flat Bed Truck 1 1 30	50 25
Columns		
	Generator (<25KVA, VMA 0 0 0 0 0 Gradall 1 1 140	
	Gradal 1 1 140	75 60
	Jackhammer* 1 0 10	50 100
1	Pavement Scarafier 1 0 1	100]



	1		=1		i
		Paver 1 0 1	25		
		Pneumatic Tools 2 0 9	25 25 25 30		
		Pumps 1 0 28 Roller* 1 0 1	'5 in		
		Vacuum Excavator (Vac- 1 1 5	50 5		
		Vacuum Street Sweeper 1 1 28	5		
		Vibrating Hopper 2 2 5 Vibratory Concrete Mixer 6 0 58	50 25		
		Warning Horn 4 3 140 Shuttle (Passenger) 1 0 80	5		
		Viscatory Custoner instant 0 0 35	25 25 26		
	Deck Shoring,	Vertoer / Total I I 30	9		
	Cribbing, and				
Broadway Junction		2 See Equipment Details Below	12 6	5	
-		Gradall 2 2 10 Crane 1 1 10	'5 '5		
		Vacuum Street Sweeper 1 1 1 1 1	25		
		Flat Bed Truck 3 1 10 Scissor Lift 2 2 10	55 50 50 0 0		
		Welder / Torch 1 1 5	0		
		Compressor (air) 2 2 10	0		
		Pneumatic Tools 2 2 10 Chain Saw 1 1 4	0 0		
		Shuttle (Passenger) 1 0 10	5		
		Warning Horn 3 2 10 Pickup Truck 5 1 0	15 15 15		
		PICKUP HUCK 3 1 1 0	9	During Steel Erection	
		20 Con Frederica Datalla Datalla	25	Days per Phase: 140	n/a n/a n/a -/-
		38 See Equipment Details Below Backhoe 2 0 19	25 10	10 Daily Number of Trips: 2 n/a	n/a n/a n/a
		Backhoe 2 0 19 Compactor (ground) 2 0 19 Compactor (dr) 4 4 400	55 00		
		See Equipment See See Equipment See Se	25 25		
		Concrete Pump Truck 1 0 19 Crane 1 1 100	50 '5		
		Crane 1 1 190 Flat Bed Truck 1 1 190 Generator 0 0 0 0	5		
	Structural Steel and Gondola	Generator (<25KVA_VMA_I 0 0 0	8		
	and Gondola Equipment	Gradall 1 1 190	5		
	Erection	Gradall 1 1 190 Pickup Truck 5 1 190 Pickup truck 5 2 2 190	(5) (5)		
		Vacuum Excavator (Vac- 1 0 5 Vacuum Street Sweeper 1 1 38	50 0 55		
		Vacuum Street Sweeper 1 1 35 Ventillation Fan 1 1 190	5		
		Ventiliation Fan 1 1 190 Vibrating Hopper 2 0 19 Vibratory Concrete mixer 4 0 19	5		
		Warning Horn 4 4 190 Hand Held Metal Saw 1 0 38	25 25 26 20		
		Hand Held Metal Saw	0		
			5 50 25		
	Deek Remeyel		12 6	10	
	Deck Removal	See Equipment Details Below Gradal 2 15 Crane 1 1 15 Vacuum Street Sweeper 1 1 1 1 1 1 1	5	10	
		Crane 1 1 15 Vacuum Street Sweener 1 1 1 1 1 1	50 25		
		Flat Bed Truck 3 1 15			
		Scissor Lift 2 2 15	50		
		Welder / Torch 1 1 7 Compressor (air) 2 2 15	00 00 00 00		
		Pneumatic Tools 5 2 15 Shuttle (Passenger) 1 0 15	0		
		Shuttle (Passenger) 1 0 15	0 5 5 5		
		Warning Horn 3 2 15 Pickup Truck 5 1 15	5		
				During Asphalt Days per Phase: 1	
		See Equipment Details Below	10 0	0 Daily Number of Trips: 10 n/a	1' n/a n/a n/a
		Paver 1 1 10 Roller 1 1 10	00 00 00		
	Asphalt & Re-	Ground compactor 2 0 5	0		
	Striping	Warning Horn 2 2 10 Excavators 0 0 0	0		
	9	Pickup Truck 5 1 10	5		
		Flat Bed Truck 1 0 5	25		
		See Equipment Details Below	5		
		Shuttle (Passenger) 0 0 10 Vacuum Street Sweeper 1 1 2	<u>5</u>		
				During Hardscape Days per Phase: 20	
		29 See Equipment Details Below	20 10	10 Daily Number of Trips: 10 n/a	6' n/a n/a n/a
		Backhoe 1 1 58	50 25 25		
		Compactor (ground) 1 15 Concrete Mixer Truck 1 1 15			
	Vertical Circ. /	Crane 1 1 58	0		
	Hardscape &	Generator 0 0 0 Dump Truck 1 1 87	5		
	Landacana/		25		
	Landscape/	Dump Truck 1 1 87 Flat Bed Truck 1 1 116			•
	Landscape/ Interior Work	Flat Bed Truck 1 1 116 Pickup Truck 5 1 80	25		
	Landscape/	Flat Bed Truck	25 50 25		
	Landscape/	Vehicles 1 0 145	55 155 150 150 155 155		
	Landscape/	Vehicles 1 0 145	155 155 155 156 156		
	Landscape/	Flat Bed Truck	15 15 15 15 15 15 15	During Concrete Pours and	
	Landscape/	Vehicles 1 0 145	151 100 151 151 151 151 151 151	During Concrete Pours and Excavation Hauling	
	Landscape/	Vehicles	151 150 151 151 151 151 151 151	Excavation Hauling Days per Phase: 3	40° 3500 3500
	Landscape/	Vehicles	55 55 55 50	Excavation Hauling	10' 3500 3500
	Landscape/	Vehicles	55 55 55 50	Excavation Hauling Days per Phase: 3	10" 3500 3500
	Landscape/	Vehicles	55 55 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10' 3500 3500
	Landscape/	Vehicles	55 55 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10" 3500 3500
	Landscape/	Vehicles	55 55 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10' 3500 3500
	Landscape/ Interior Work	Vehicles	55 55 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10' 3500 3500
	Landscape/ Interior Work	Vehicles	55 55 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10' 3500 3500
	Landscape/ Interior Work	Vehicles	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Excavation Hauling Days per Phase: 3	10' 3500 3500
	Landscape/ Interior Work	Vehicles	5 5 5 0 5 0 0 5 15 15 15 15 15 15 15 15 15 15 15 15 1	Excavation Hauling Days per Phase: 3	10' 3500 3500



		Vacuum Street S Shuttle (Passeng	veeper er)	1	1 35	25							
		Vehicles	′	1	0 35	25							
		Warning Horn		2	2 13	25			During Concrete Pours and	1			
									During Concrete Pours and Excavation Hauling				
		15	See	Equipment Details Below			25	10	Days per Phase: 4 10 Daily Number of Trips: 20	Foundations: 7' Piles: 120'	3'	1286	1202 84
		Auger Drill Rig* Backhoe	000	1	0 30	75					- t		
		Backhoe Chain Saw		2	0 75	50 50							
		Compactor (grou	id)	2	0 5	75							
		Compressor (air)		2	0 9	25 25							
		Concrete Mixer T Concrete Pump	ruck	1	1 2								
		Concrete Saw		1	0 1	50 100							
		Crane Dozer*		0	0 30	25 100							
		Drill Rig Truck		1	0 30	25 100							
		Dump Truck*		3	0 30	100 50							
	Foundations and	Excavator Flat Bed Truck		1	1 30	25							
	Columns	Generator Generator (<25K	/Δ \/MΔ	0	0 0	0							
		Gradall Hydra Break Ran	71, 1101	1	1 75	75							
		Hydra Break Ran Jackhammer*		1	0 1	50							
		Pavement Scaral Paver	er	1	0 10	100							
		Paver		1	0 1	100							
		Pickup Truck Pneumatic Tools		2	0 9	25 25							
Ota diam. T		Pumps Roller*		1	0 15	75							1
Stadium Tower		Roller* Vacuum Excavat	r (Vac-	1	U 1	100 50							1
		Vacuum Street S	veeper	i	1 15	75							1
1		Vibrating Hopper		2	2 5	50							
İ		Vibratory Concre Warning Horn		4	3 75	25							1
		Shuttle (Passeng Welder / Torch	er)	1	0 80	25							
		Welder / Torch		1	1 30	25			During Steel Erection				
									Days per Phase: 175				
		26 Backhoe	See	Equipment Details Below	0 13	25	25	10	10 Daily Number of Trips: 2	n/a	n/a	n/a n/a	n/a
		Compactor (grou	d)	2	0 13	50							
		Compressor (air) Concrete Mixer T	nek	1	1 130	25							
		Concrete Pump	ruck	1	0 13	50							
		Crane Flat Bed Truck		1	1 130 1 130	75							
	Structural Steel			0	0 0	0							
	and Gondola	Generator (<25K	/A, VMA	0	0 0	0							
	Equipment	Gradall Pickup Truck Pneumatic Tools		5	1 130 1 130	75 25							
	Erection	Pneumatic Tools		2	2 130	25							
		Vacuum Excavat Vacuum Street S	r (Vac-	1	0 5 1 26	50							
		Ventillation Fan		1	1 130	75							
		Vibrating Hopper Vibratory Concre	n miyer	2	0 13	25 25							
		Warning Horn		4	4 130	25							
		Hand Held Metal	Saw	1	0 26 0 130	50 25							
		Shuttle (Passenc Manlifts Welder / Torch	n j	2	0 110 4 130	50							
	Asphalt & Re-	Welder / Torch		4	4 130	25			T			1	
	Striping	0.0/a	n/a		n/a		0	0	0 n/a	n/a	n/a	n/a n/a	n/a
	Outpung	11 Backhoe	See	Equipment Details Below	100		20	10	0 n/a 10 n/a	n/a	n/a	n/a n/a	n/a
		Backhoe		2	2 22	50							
		Compactor (grou Concrete Mixer T	uck	1	1 15	25 25							1
	Vertical Circ. /	Generator Dump Truck		0	0 0	0 25							
	Hardscape &	Flat Bed Truck		1	1 33	25							1
	Landscape/ Interior Work	Pickup Truck		5	1 80	25 50							
		Gradall Welders		1	0 55	25							
		Vehicles		1	0 55	25							
		Warning Horn Vacuum Street S	veener	3	2 55	25							
					20	20			During Concrete Pours and	I e			
									Excavation Hauling Days per Phase: 5				
		5	See	Equipment Details Below			5	0	2 Daily Number of Trips: 5	10'	10'	1600	1600
		Backhoe Concrete Saw		1	1 25	75							
		Vibrating Hopper		1	0 5	50 75							
		Compactor (grou	id)	1	0 5	100							
	Utilities	Pickup Truck		5	1 0	25							
		Concrete Mixer T Roller	UCK	1	0 5	25 100							
		Gradall/Forklift		1	1 35	50							
		Flat Bed Truck		1	0 7	25							
		Dump Truck Front End Loade		1	1 7	50							
		Vacuum Street S	veeper	1	1 35	25							
		Warning Horn		2	2 25	25			During Concrete Pours and	П			
									During Concrete Pours and Excavation Hauling				
		31	San	Equipment Details Below			25	10	Days per Phase: 24 10 Daily Number of Trips: 80	Foundations: 42' Piles: 55'	3'	44313	44001 312
		Auger Drill Rig* Backhoe	568	1	0 62	75	23		TO Daily Halliber of Trips. 60			-4010	
		Backhoe Chain Say		2	0 155	50 50							
		Backhoe Chain Saw Compactor (grou	id)	1 2	0 155 0 1 0 5	50 50 75							



		Compressor (air)		2	0 9	25						
	Foundations and	Concrete Mixer Truck		2	2 64	25						
		Concrete Pump Truck		1	1 2	50						
	Columns	Concrete Saw		1	0 1	100						
		Crane		1	1 155	25						
		Dozer*		0	0 62	100						
		Drill Rig Truck		1	0 62	25						
		Dump Truck*		3	0 62	100						
		Excavator		2	0 64	50						
		Flat Bed Truck		1	1 30	25						
		Generator		0	0 0	0						
		Generator (<25KVA, VI)	A	0	0 0	0						
		Generator (<25KVA, VN Gradall		1	1 155	75						
		Hydra Break Ram Jackhammer*		1 (0 1	50						
		Jackhammer*		1 (0 10	50						
		Pavement Scarafier		1 (0 1	100						
		Paver		1	0 1	100						
		Pickup Truck	11	0	1 155	25						
		Pneumatic Tools		2	0 9	25						
		Pumps		1	0 31	75						
		Pumps Roller*		1	0 1	100						
		Vacuum Excavator (Vac		1	1 5	50						
		Vacuum Street Sweeper		1	1 31	75						
Dadwan Ctadio		Vibrating Hopper		2	2 5	50						
Dodger Stadium		Vibratory Concrete Mixe		6	0 64	25						
Station		Warning Horn		4	3 155	25						
Ciulion		Welder / Torch		1	1 30	25						
			-	+		20		During Steel Erection				
								During Steel Erection Days per Phase: 90				
		24	See Equipme	ent Details Below			25 10	10 Daily Number of Trips: 2 n/a	n/a	n/a	n/a	n/a
		Backhoe		2	0 12	25						
		Compactor (ground) Compressor (air)		2	0 12 1 120	50 25						
		Compressor (air)		1	1 120							
		Concrete Mixer Truck		2	2 12	25						
		Crone		1	1 120	75						
		Flat Red Truck		1	1 120 1 120	25						
	Structural Steel	Generator		o o	00	0						
	and Gondola	Generator (<25KVA_VII	A	0	0	0						
	Equipment	Compressor (air) Concrete Mixer Truck Concrete Pump Truck Crane Flat Bed Truck Generator (25KVA, VMA Gradal) Flatun Truck Pheumatic Tools Pheumatic Tools		1	1 120	75						
	Erection			5	1 120 2 120	25						
	LIEGIOII	Pneumatic Tools		2		25						
		Vacuum Excavator (Vac		1	0 5	50						
		Vacuum Street Sweeper Ventiliation Fan Vibrating Hopper Vibratory Concrete mixe Warning Horn		1	1 24	25						
		Ventillation Fan		1	1 120	75						
		Vibrating Hopper		2	0 12	25						
		Warning Horn		4	4 120	25						
		Hand Held Metal Saw		1	0 24	50						
		Maniffa		2	0 100	50						
		Manlifts Welder / Torch		4	0 100 4 120	25						
								During Asphalt				
								During Asphalt Days per Phase: 1				
		2 Dayses	See Equipme	ent Details Below	41 40'	400	10 0	0 Daily Number of Trips: 10 n/a	1'	n/a	n/a	n/a
		Paver Roller Ground compactor Warning Horn		1	10	100						
	Asphalt & Re-	Ground compactor		2	0 5	100						
		Warning Horn		2	2 10	25						
	Striping			ōl	0 '0	0						
		Pickup Truck		5	1 10	25						
				ol .	1 5	25						
		Dump Truck				20						
		Dump Truck Flat Bed Truck		1 (0 5	251						
		Dump Truck Flat Bed Truck		1 1	0 5 2 10	75 75						
		Dump Truck Flat Bed Truck Backhoe Vacuum Street Sweeper		1 1 2	0 5 2 10 1 2	75 25						
		Dump Truck Flat Bed Truck		2 1	0 5 2 10 1 2	25 75 25		During Hardscape				
		Dump Truck Flat Bed Truck Backhoe Vacuum Street Sweeper		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 5 2 10 1 2	25 75 25	20	During Hardscape Days per Phase: 20	c:	nla	n/a	n/o
		Dump Truck Flat Bed Truck Backhoe Vacuum Street Sweeper		ent Details Below	1 0 5 5 2 10 1 2 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1	25 75 25	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
		Dumo Truck Flat Bed Truck Backhoe Vacuum Street Sweepei 33 Backhoe		ent Details Below	10 5 2 10 1 1 2	25 75 25	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Vertical Circ.	Dumo Truck Flat Bed Truck Backhoe Vacuum Street Sweepei 33 Backhoe		ent Details Below	1 66 1 15 1 66 1 66	25 75 25 50 50	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Vertical Circ. /	Dumo Truck Flat Bed Truck Backhoe Vacuum Street Sweepei 33 Backhoe		ent Details Below	1 15	50	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Hardscape &	Dumo Truck Flat Bed Truck Backhoe Vacuum Street Sweepei 33 Backhoe		ent Details Below 1 1 1 1 0 0 0 0	1 15	25 75 25 25 50 25 50 25	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6.	n/a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Fiel Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck		1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 1 66 1 15 0 0 1 80	50 25 25	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Fiat Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck		ent Details Below	1 15 1 66 1 15 0 0 1 80	50 25 25	20 10	During Hardscape Days per Phase: 20 10 Dasly Number of Trips: 10 n/a	6	n/a	n/a	n/a
	Hardscape &	Dumo Truck Flat Bad Truck Bad-hoe Vacuum Street Sweepe 33 Backhoe Compactor (ground) Crane Concrete Mixer Truck Pickup Truck Dump Truck		ent Details Below	1 15 1 66 1 15 0 0 1 80 1 99	50 25 25 25 25	20 10	During Hardscape Days par Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Flat Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck Oump Truck Flat Bad Truck Flat Bad Truck		ent Details Below	1 15 15 16 15 16 17 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50 25 25 25 25 25	20 10	During Hardscape Days per Phase: 20 10 Dasly Number of Trips: 10 n/a	6'	n/a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Flat Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck Oump Truck Flat Bad Truck Flat Bad Truck		ent Details Below	1 15 15 16 15 16 17 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50 25 25 25 25 25	20 10	During Hardscape Days per Phase: 20 10 Dasly Number of Trips: 10 n/a	6.	n/a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Flat Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck Oump Truck Flat Bad Truck Gradal Weldors		ent Details Below 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 15 16 16 17 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50 25 25 25 25 25 50 25	20 10	During Hardscape Days per Phase: 20 10 Dasly Number of Trips: 10 n/a	6.	n√a	n/a	n/a
	Hardscape & Landscape/	Oumo Truck Flat Bad Truck Backhoe Vacuum Street Sweepei 33 Backhoe Compactor (ground) Crane Generator Pickup Truck Oump Truck Flat Bad Truck Flat Bad Truck	See Equipm	ent Details Below	1 15 15 16 15 16 17 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50 25 25 25 25 25	20 10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6.	n/a	n/a	n/a

EXHIBIT 3 Construction Equipment Assumptions Without Temporary Deck at Alameda Station







ject Component	Phase	Duration (Weeks)	Equipment List for Noise, Vibration, Air Quality, and Greenhous Gas Modeling Equipment List	se Quantity of Equipment Specified in Column D	Equipment List for Worst Case Noise Analysis	Typical Number of Days Equipment Will Be Used	Percentage of Day in Use	Typical Number of Construction Workers Per Day	Roundtrip Shuttle Trips Per Day (Shuttling Construction	(Materials, Deliveries, and On-	Peak Truck Trips During Either Concrete Pour or Steel Delivery (Days per Phase: Daily Number of Trips:)	Maximum Depth (Excavation and Drilled Piles)	Depth of Site Work	Amount of Excavation (Cubic Yards)	Amount of Export (Including Cement and Soils) (Cubic Yards)	Amount Reused Or Site (Including Soils) (Cu Yards)
											During Concrete Pours and Excavation Hauling Days per Phase: 7					
			7 Backhoe	See Equipm	ent Details Below	1 35	5 7	5	5 0	2	Daily Number of Trips: 24	10'	10'	1000	100	00
			Concrete Saw Vibrating Hopper		1	0 7	5	0								
			Compactor (ground)		1	0 7	7: 5 7: 7 7: 7 10	0								
	Utilities		Concrete Mixer Truck Pickup Truck		5	1 7	2	5								
			Roller Gradall/Forklift		1	1 35	7 2 7 10 5 5 7 2	0								
			Flat Bed Truck Dump Truck		1	0 7	2	5								
			Front End Loader		1	1 15	2 5 5 5	0								
			Vacuum Street Sweeper Shuttle (Passenger)			1 35										
			Vehicles Warning Horn		2	0 35	5 2	5 5								
											During Concrete Pours and Excavation Hauling					
			16	See Equipm	ent Details Below				25 10	10	Days per Phase: 3 Daily Number of Trips: 80	Foundations: 10' Piles: 125'	3'	2728	229	95
			Auger Drill Rig* Backhoe		1	0 32	2 7	5								
			Chain Saw		1	0 1	5	0								
			Compactor (ground) Compressor (air)		2	0 5	7. 0 2 1 2 5 5 1 10	5								
			Concrete Mixer Truck Concrete Pump Truck		1	2 34	2 5	5 0								
			Concrete Saw Crane		1	1 80	10	5								
			Dozer* Drill Rig Truck		0	0 32	2 10 2 2 10 1 2 5	5								
			Dump Truck* Excavator		3	0 32	10	0								
Foundations and		Flat Bed Truck		1	1 30	2	5									
	Foundations and Columns		Generator Generator (<25KVA, VM	A	0	0 (,	U								
			signs) Gradall		1	1 80	7	<u>0</u> 5								
			Hydra Break Ram Jackhammer*		1	0 10	5	0								
			Pavement Scarafier Paver		1	0 1	5 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	0								
			Pickup Truck	1	0	1 80	2	5								
			Pneumatic Tools Pumps Roller*		1	0 16	3 7	5								
			truck)		1	1 5	5	0								
			Vacuum Street Sweeper Vibrating Hopper		2	1 16	5	5 0								
Alameda Station			Vibratory Concrete Mixer Warning Horn		4	3 80	2	<u>5</u>								
			Shuttle (Passenger) Welder / Torch		1	0 80	2	5								
							1				During Steel Erection Days per Phase: 115					
		3	Backhoe	See Equipm	ent Details Below	0 15	51 2	5	25 10	10	Daily Number of Trips: 2	n/a	n/a	n/a	n/a	n/a
			Backhoe Compactor (ground) Compressor (air)		2	0 15 0 15	5 5	5								
			Compressor (air) Concrete Mixer Truck Concrete Pump Truck Crane Flat Bed Truck		2	1 150 2 15 0 15	5 5 2 5 2 5	5								
			Crane Flat Bed Truck		1	0 15 1 150 1 150	7	5								
	Structural Steel and Gondola		Generator Generator (<25KVA, VM. Gradall Pickup Truck	A	0	0 0)									
	Equipment		Gradall Pickup Truck		5	1 150 1 150	7									
	Erection		Pneumatic Tools Vacuum Excavator (Vac- Vacuum Street Sweeper		1	2 150 0 5	2 5 5 2	5 0								
			Ventillation Fan		1	1 30 1 150 0 15	2 0 7 5 2	5								
			Vibrating Hopper Vibratory Concrete mixer Warning Horn		4	0 15		5								
			Hand Held Metal Saw		1	0 50	5	0								
			Shuttle (Passenger) Manlifts Welder / Torch		2	0 140 0 120 4 150	7	5								
			Weider / Total		**	4 150	·	5			During Paving					
			2 Power	See Equipm	ent Details Below				10 0	0	Days per Phase: 1 Daily Number of Trips: 10	n/a	1'	n/a	n/a	n/a
			Paver Roller Ground compactor Warning Horn Excavators Pickup Truck		1	1 10	10 10	0								
	Asphalt & Re- Striping		Warning Horn		2	2 10	2	5								
	Striping		Pickup Truck Dump Truck		5	1 10	2	5								
		i .	_ unip riseA	1	1	0	2	5								1
			Flat Bed Truck Backhoe		2	2 1/	7	5								
			Backhoe		2	2 10		5 5								
			Backhoe Shuttle (Passenger) Vacuum Street Sweeper		0 1			5 5 5			During Hardscape Days per Phase: 20					



		Compactor (ground) Concrete Mixer Truck Crane	1 1	15 25				
Verti	tical Circ. /	Crane	1 1	50 50				
Harr	irdscape &	Generator	0 0	0				
	andscape/	Dump Truck	1 1	50 25 65 25				
	erior Work	Flat Bed Truck	1 1	65 25 80 25				
11101	onor work	Pickup Truck	5 1	80 25				
		Gradall	1 0	135 50 135 25 135 25 135 25 135 25 20 25				
		Welders	1 1	135 25				
		Vehicles	1 0	135 25 135 25 20 25				
		Warning Horn Vacuum Street Sweeper	1 1	135 25				
		vacuum Street Sweeper	- 1	20 25		During Concrete Pours and		
						During Concrete Pours and Excavation Hauling		
	,	0	Federate Datella Date		E 0	Days per Phase: 2 2 Daily Number of Trips: 5	10' 160 160	
		Backhoe	Equipment Details Below	11 75	5 0	2 Daily Number of Trips. 5	10 100 100	
		Concrete Saw	1 0	2 50				
			1 0	2 75				
		Vibrating Hopper Compactor (ground)	1 0	2 100				
		Concrete Mixer Truck	2 1	2 25				
L U	Utilities	Pickup Truck	5 1	2 25				
		Roller	1 0	2 100				
		Gradall/Forklift	1 1	35 50				
		Flat Bed Truck	1 0	7 25				
		Flat Bed Truck Dump Truck	1 1	7 25				
		Front End Loader	1 1	15 50				
		Vacuum Street Sweeper	1 1	35 25				
		Shuttle (Passenger)						
		Vehicles	0 0	35 25				
		Warning Horn	2 2	11 25				
						During Concrete Pours and		
						Excavation Hauling Days per Phase: 3 Foundations: 10'		
	16	See	Equipment Details Below		25 10	10 Daily Number of Trips: 80 Piles: 120'	3' 2850 2292	55
		Auger Drill Rig*	1 0	32 75				
		Backhoe Chain Saw	2 0	80 50				
		Chain Saw	1 0	1 50 5 75				
		Compactor (ground)	2 0	5 75				
		Concrete Mixer Truck	2 0	9 25				
		Concrete Pump Truck	1 1	2 50				
		Concrete Saw	1 0	1 100				
		Concrete Saw Crane	1 1	80 25				
		Dozer*	0 0	32 100				
		Dozer* Drill Rig Truck	1 0	32 25				
		Dump Truck* Excavator	3 0	32 100 34 50				
		Excavator	2 0	34 50				
_		Flat Bed Truck Generator	1 1	30 25				
	ndations and	Generator (<25KVA_VMA	0 0	0 0				
Co	Columns	Generator Generator (<25KVA, VMA Gradall	1 1	80 75				
		Hydra Break Ram	1 0	1 50				
		Jackhammer*	1 0					
		Pavement Scarafier	1 0	1 100				
		Pavement Scarafier	1 0	1 100				
		Pavement Scarafier Paver	1	1 100 1 100				
		Pavement Scarafier Paver Pickup Truck	1 0 1 0 10 1	1 100 1 100 80 25				
		Pavement Scarafier Paver Pickup Truck Pneumatic Tools	10 1	1 100 1 100 80 25 9 25				
		Paver Pickup Truck Pneumatic Tools Pumps	1	1 100 1 100 80 25 9 25 16 75				
		Pavement Scarafier Paver Pickup Truck Pneumatic Tools Pumps Roller*	10 1	1 100 1 100 80 25 9 25 16 75 1 100				
		Pavement Scaraffer Paver Plickup Truck Pneumatic Tools Pumps Roller* truck)	10 1	1 1000 1 10000 80 25 9 26 16 75 1 1000				
		Pavement Scaraffer Paver Pickup Truck Pneumatic Tools Pumps Roller* truck) Vacuum Street Sweeper	10 1 1 2 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1	1 1000 1 1 1000 80 255 9 25 16 75 1 1000 5 55				
		Pavement Scarafee Paver Plickup Truck Pneumatic Tools Pumps Rotee* Ituck) Vacuum Street Sweeper Vibrating Hopper	10 1 1 2 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2	1 1000 1 1 1000 80 22 9 2 28 16 75 1 1 1000 5 5 56 16 75 5 5 50				
		Pavement Scarafler Paver Pickup Truck Pneumatic Tools Pumps Roller* truck) Vacuum Street Sweeper Vibrating Hopper Vibratory Concrete Mixer	10 1 1 2 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1	1 1000 80 225 9 25 16 75 1 1000 5 5 500 16 75 5 50 34 25				
		Pavement Scarafee Paver Pickup Truck Pneumatic Tools Pumps Rotler* Inuck) Vacuum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper	10 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1	1 1000 80 225 9 25 16 75 1 1000 5 5 500 16 75 5 50 34 25				
Alameda Tower		Pavement Scarafler Paver Plokup Truck Pneumatic Tools Pumps Roller truck) Vacuum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Home	10 1 1 2 0 1 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 80 258 9 25 16 75 1 1000 5 5 500 16 75 5 5 50 16 75 5 50 16 25 80 25 80 25				
Alameda Tower		Pavement Scarafee Paver Pickup Truck Pneumatic Tools Pumps Rotler* Inuck) Vacuum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper	10 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1	1 1000 80 225 9 25 16 75 1 1000 5 5 500 16 75 5 50 34 25		During Steel Erection		
Alameda Tower		Pavement Scarafee Paver Plickup Truck Pneumatic Tools Pumps Rotee* Ituck) Vacuum Street Sweeper Vibratory Concrete Mixer Warning Horn Vehicles Welder / Torch	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 80 258 9 25 16 75 1 1000 5 5 500 16 75 5 5 50 16 75 5 50 16 25 80 25 80 25		During Steel Erection Days per Phase: 95		
Alameda Tower	28	Pavement Scarafter Paver Plokup Truck Pneumatic Tools Pumps Roller truck) Vacauum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vehicler Werling Hom Vehicler Welder Torch	10 1 1 2 0 1 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 80 258 9 25 16 75 1 1000 5 5 500 16 75 5 5 50 16 75 5 50 16 25 80 25 80 25	25 10	During Sited Erection Days per Phase: 95 10 Daily Number of Trips: 2 n/a	n/a n/a n/a n/a	/a
Alameda Tower	24	Pavement Scarafter Paver Plokup Truck Pneumatic Tools Pumps Roller truck) Vacauum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vehicler Werling Hom Vehicler Welder Torch	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 285 9 25 16 75 1 1 1000 5 5 50 16 75 5 5 50 34 285 80 25 80 25 30 25 13 25 13 25	25 10	Days per Phase: 95	nia nia nia nia	<u>/a</u>
Alameda Tower	26	Pavement Scarafee Paver Plokup Truck Pneumatic Tools Pumps Roter Ituck) Vacuum Street Sweeper Vibratory Concrete Mixer Warning Horn Vehicles Weider / Torch See Backhoe Compactor (ground) Compressor (air)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 25 9 22 9 22 16 7 7 1 1000 5 5 50 16 75 5 50 34 25 80 25 80 25 30 25 11 3 55 13 55 13 55 13 55	25 10	Days per Phase: 95	n/a n/a n/a n/a	/a
Alameda Tower	24	Pavement Scarafee Paver Plokup Truck Pneumatic Tools Pumps Roter Ituck) Vacuum Street Sweeper Vibratory Concrete Mixer Warning Horn Vehicles Weider / Torch See Backhoe Compactor (ground) Compressor (air)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 80 285 9 25 16 77 1 1000 5 5 500 16 77 5 5 500 34 285 80 25 80 25 30 25 31 25 113 25 113 55 113 55 113 55	25 10	Days per Phase: 95	n/a n/a n/a n/a	/a
Alameda Tower	24	Pavement Scarafee Paver Plokup Truck Pneumatic Tools Pumps Rotee* Rotee* Vacuum Street Sweeper Vibratory Concrete Mixer Warning Horn Vehicles Weider / Torch See Backhoe Compactor (ground) Concrete Mixer Vincongress of girl Concrete Mixer Compressor (ground) Concrete Mixer Vincongressor (ground)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 80 25 9 22 9 22 11 1000 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 0 25 80 25 80 25 80 25 80 25 80 25 80 30 25 80 30 25 80 30 25 80 30 30 30 80 30 30 30 80 30 30 30 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95	n/a n/a n/a n/a	/a
Alameda Tower	26	Pavement Scarafee Paver Plokup Truck Pneumatic Tools Pumps Rotee* Rotee* Vacuum Street Sweeper Vibratory Concrete Mixer Warning Horn Vehicles Weider / Torch See Backhoe Compactor (ground) Concrete Mixer Vincongress of girl Concrete Mixer Compressor (ground) Concrete Mixer Vincongressor (ground)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 100 1 1 100 80 28 9 25 16 75 1 1 100 5 5 50 16 75 5 5 50 34 28 80 25 80 25 30 25 31 25 31 25 31 3 55 13 55	25 10	Days per Phase: 95	nia nia nia nia	/a
		Pavement Scarafee Paver Plokup Truck Pneumatic Tools Pumps Roller Inuck) Vlacum Street Sweeper Vibratory Concrete Mixer Warning Hopper Vehicles Welder / Torch See Backhoe Compactor (ground) Concrete Mixer Unconcrete Mixer Compessor (air) Concrete Mixer Concrete Mixer Fruck Crane Fitt Bed Truck Crane	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 238 16 75 1 1 1000 5 5 500 16 75 5 500 34 228 80 25 80 25 80 25 11 3 50 11 3 50 11 3 55 11 3	25 10	Days per Phase: 95	n/a n/a n/a n/a	/a
Struc	ictural Steel	Pavement Scarafter Paver Plokup Truck Pneumatic Tools Pumps Roller Ituck) Vacaum Street Sweper Vibrating Hopper Vibrating Hopper Vibrating Torch Wedner Torch See Backhoe Compactor (ground) Compressor fair) Concrete Num Truck Concrete Pump Truck Concrete Pump Truck Concrete Pump Truck Concrete Flat Bed Truck Generator Flat Bed Truck Generator	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 255 9 25 11 1000 5 5 500 16 75 5 55 5 55 55 34 23 80 255 80 255 30 255 31 3 255 31 3 55 31	25 10	Days per Phase: 95	n/a n/a n/a n/a	/a
Struc and	ictural Steel d Gondola	Pavement Scarafee Paver Plakey Truck Phesumatic Tools Pumps Roter Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Warning Horn Weider / Torch See Backhoe Compactor (ground) Concrete Miser Weider / Truck Concrete Miser Fital Bed Truck Canee Fital Bed Truck Generator Signs)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 1 0 28 9 28 9 28 16 75 1 1 1000 5 5 660 16 75 5 5 50 34 25 80 25 80 25 80 25 80 25 13 5 55 130 5	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plokup Truck Pheumatic Tools Pumps Roller Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Weder / Torch See Backhoe Compactor (ground) Compressor (al) Concrete Pump Truck C	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 229 9 225 16 75 1 1 1000 5 5 55 5 5 55 6 6 34 225 80 225 80 225 80 225 80 225 80 225 80 30 25 13 25 1	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola	Pavement Scarafee Paver Plakey Truck Phesumatic Tools Pumps Roter Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Welder / Torch See Backhoe Compactor (ground) Concrete Miser Truck Concrete Miser Truck Cane Flat Bed Truck Generator Signe) Gradala	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 229 9 225 16 75 1 1 1000 5 5 55 5 5 55 6 6 34 225 80 225 80 225 80 225 80 225 80 225 80 30 25 13 25 1	25 10	Days per Phase: 95	nia nia nia nia	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plakup Truck Pheumatic Tools Pumps Roller Itusk) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Weder / Torch See Backhoe Compessor (ground) Compressor (all) Concrete Pump Truck Pump Truck Concrete	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 1 0 28 9 28 9 28 16 75 1 1 1000 5 5 660 16 75 5 5 50 34 25 80 25 80 25 80 25 80 25 13 5 55 130 5	25 10	Days per Phase: 95	nía nía nía	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafee Paver Plakey Truck Phesumatic Tools Pumps Rotee* Inuck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Weider / Torch See Backhoe Compactor (ground) Concrete Miser Truck Concrete Miser Truck Crane Flat Bed Truck Generator Signe) Gradall Pickup Truck Phecumatic Tools Inuck) Phecumatic Tools Inuck) Phecumatic Tools Inuck)	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1	25 10	Days per Phase: 95	nia nia nia nia	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plokup Truck Pheumatic Tools Pumps Roller Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Weder / Torch See Backhoe Backhoe Compactor (al) Concrete Miser Truck Concrete Fum Truck Vacant Truck Vacan	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 229 9 225 16 75 1 1 1000 5 5 55 5 5 55 6 6 6 6 6 75 34 225 80 225 80 225 80 225 80 225 80 225 13 25 13 25 13 55 130 23 13 55 130 25	25 10	Days per Phase: 95	nía nía nía	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plakup Truck Pheumatic Tools Pumps Roller Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Horn Vehicles Weder / Torch See Backhoe Compessor (el) C	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 227 16 75 1 1 1000 5 5 55 5 55 5 5 55 80 228 80 228 80 228 80 228 80 228 80 228 80 258 80 328 13 55 13 55 130 28 13 55 130 28 130 28 130 28 130 28 130 28 130 28 130 28 130 28 130 28 130 28 130 38 180 3	25 10	Days per Phase: 95	nia nia nia	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafee Paver Plakey Truck Phesumatic Tools Pumps Roter Inuck) Vacuum Street Sweeper Vibratory Concrete Mixer Warning Hopper Vibratory Concrete Mixer Warning Hopper Vedder / Torch See Backhoe Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Mixer Truck Concrete Mixer Flat Bed Truck Generator Signs) Gradall Pickup Truck Phesumatic Tools Flat Bed Truck Generator Signs) Gradall Pickup Truck Vacuum Street Sweeper Vacuum Street Sweeper Vurstillation Fan Vibratory Concrete mixer Vibratory Concrete mixer	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plakup Truck Pheumatic Tools Pumps Roller Iruck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Honn Vehicles Weder / Torch See Backhoe Compesor (ground) Competed (ground) Concrete Miser Vibratory Truck Concrete Miser Proceed Miser Truck Concrete Miser Concrete Miser Vibratory Truck Part Truck Signer Si	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 227 16 75 1 1 1000 5 5 55 5 55 5 5 55 80 228 80 228 80 228 80 228 80 228 80 228 80 228 80 258 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Plakup Truck Pheumatic Tools Pumps Roller Iruck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Honn Vehicles Weder / Torch See Backhoe Compesor (ground) Competed (ground) Concrete Miser Vibratory Truck Concrete Miser Proceed Miser Truck Concrete Miser Concrete Miser Vibratory Truck Part Truck Signer Si	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 227 16 75 1 1 1000 5 5 55 5 55 5 5 55 80 228 80 228 80 228 80 228 80 228 80 228 80 228 80 258 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Pickup Truck Pheumatic Tools Pumps Roller Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Honn Vehicles Weder / Torch See Backhoe Compactor (ground) Compactor (ground) Compessor (air) Concrete Miser Truck Concrete Miser Vehicles Vehicle	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 227 16 75 1 1 1000 5 5 55 5 55 5 5 55 80 228 80 228 80 228 80 228 80 228 80 228 80 228 80 258 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Paver Plokup Truck Pneumatic Tools Pumps Roller Itusk) Vacauum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Torch Wedder Trorch See Backhoe Compactor (ground) Compressor (air) Compete Pump Truck Concrete Pump Truck Vibrating Hopper	10 1 1 2 0 1 1 2 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1	25 10	Days per Phase: 95	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafter Paver Pickup Truck Pheumatic Tools Pumps Roller Ituck) Vacuum Street Sweeper Vibratory Concrete Miser Warning Honn Vehicles Weder / Torch See Backhoe Compactor (ground) Compactor (ground) Compessor (air) Concrete Miser Truck Concrete Miser Vehicles Vehicle	10 1 1 2 0 1 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 1000 1 1 1000 80 228 9 227 16 75 1 1 1000 5 5 55 5 55 5 5 55 80 228 80 228 80 228 80 228 80 228 80 228 80 228 80 258 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 n/a	n/a n/a n/a	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scarafer Paver Pickup Truck Pheumatic Tools Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Vibrating Hopper Vibrating Young Warning Horn File Backhoe Compessor (air) Compressor (air) Co	10	1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1000 1 1 1 1	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 ri/a	nia nia nia nia	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scaraffer Paver Plaver Plakup Truck Pheumatic Tools Pumps Roller Turuck Vacaum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Troch See Backhoe Backhoe Backhoe Backhoe Backhoe Backhoe Gompetor (ground) Compressor fair) Compressor fair) Compressor fair) Connected Nave Truck Concrete Pump Truck Concrete Pump Truck Flat Bed Truck Generator Bigne) Gradall Pickup Truck Pheumatic Tools Truck Vacaum Street Sweeper Ventilation Fan Vibrating Hopper	10 1 1 2 0 1 1 1 2 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1	1 100 1 1 100 80 22 9 22 16 75 1 1 100 5 5 55 5 55 6 6 6 75 80 22 80 25	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 n/a	nía nía nía nía	/a
Struc and Eq	ictural Steel d Gondola quipment	Pavement Scaraffer Paver Plaver Plakup Truck Pheumatic Tools Pumps Roller Turuck Vacaum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Troch See Backhoe Backhoe Backhoe Backhoe Backhoe Backhoe Gompetor (ground) Compressor fair) Compressor fair) Compressor fair) Connected Nave Truck Concrete Pump Truck Concrete Pump Truck Flat Bed Truck Generator Bigne) Gradall Pickup Truck Pheumatic Tools Truck Vacaum Street Sweeper Ventilation Fan Vibrating Hopper	10	1 100 1 1 100 80 22 9 22 16 75 1 1 100 5 5 55 5 55 6 6 6 75 80 22 80 25	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 ri/a	n/a n/a n/a n/a	/a
Struc and Eq E	rctural Steel d Gondola quipment Erection	Pavement Scarafter Paver Pickup Truck Pheumatic Tools Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Vibrating Hopper Vibrating Yorche Warning Horn File Backhoe Compessor (a) Compressor (a) Compressor (a) Compressor (a) Compressor (a) Compressor (a) File File Backhoe Compating File File Backhoe Compating File File Backhoe File Backhoe Compating File Backhoe Compating File Backhoe File Backh	10	1 100 1 1 100 80 22 9 9 22 16 75 1 1 100 5 5 55 5 5 55 6 6 6 75 3 4 22 80 30 25 80 30 25 80 30 30 25 80 30 30 30 30 30 30 30 30 30 30 30 30 30	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 ri/a	nia nia nia nia	/a //a
Struc and Eq E	ictural Steel d Gondola quipment Errection	Pavement Scarafter Paver Pickup Truck Pheumatic Tools Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Vibrating Hopper Vibrating Yorche Warning Horn File Backhoe Compessor (a) Compressor (a) Compressor (a) Compressor (a) Compressor (a) Compressor (a) File File Backhoe Compating File File Backhoe Compating File File Backhoe File Backhoe Compating File Backhoe Compating File Backhoe File Backh	10	1 100 1 1 100 80 22 9 22 16 75 1 1 100 5 5 55 5 55 6 6 6 75 80 22 80 25	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 ri/a	n/a n/a n/a n/a	/a
Struc and Eq E	rctural Steel d Gondola quipment Erection	Pavement Scarafter Paver Paver Pickup Truck Pneumatic Tools Pumps Roller Ituuck) Vacauum Street Sweeper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Hopper Vibrating Concrete Mixer Warning Hom Vehicles Backhoe Backhoe Compactor (ground) Compressor (air) Competed Wither Truck Concrete Pump Truck Concrete Pump Truck Concrete Pump Truck Concrete Pump Truck Vibrating Hopper Vibrating Gorden Host Saw Shuttle (Passeneer) Maniffs Wedder / Torch See Paver Foller Ground compactor Vibrating Hopp Vibrating Hopp Vibrating Hopper Vibratin	10	1 100 1 1 100 1 1 1000 80 228 9 228 16 75 1 1 1000 5 5 505 16 75 5 5 505 34 25 80 25	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 n/a	nia nia nia nia	/a
Struc and Eq E	ictural Steel d Gondola quipment Errection	Pavement Scarafter Paver Pickup Truck Pheumatic Tools Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Pumps Roller Vibrating Hopper Vibrating Yorche Warning Horn File Backhoe Compessor (air) Compressor (air) Comp	10	1 100 1 1 100 80 22 9 22 16 75 1 1 100 6 6 75 6 5 56 6 6 75 8 6 6 22 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	25 10	Days per Phase: 95 10 Daily Number of Trips: 2 n/a	n/a n/a n/a n/a	/a



Fat feet Truck	
Shuttle Passenser 2 0 10 25	
14 See Equipment Details Below 20 10 10 Daily Number of Trips: 10 n/a n/a	
See Equipment Details Below	
See Equipment Details Below	
Backhoe 2 2 28 50	n/a n/a n/a
Concrete Mixer Truck	1
Hardscape & Generator 0 0 0 0 Landscape/ Picku Truck 1 1 28 50 Picku Truck 5 1 70 25	
Dump Truck	
Landscape Pickup Truck 5 1 70 25	
Gradell 1 1 70 30	
Welders 1 0 70 25	
Fist Bed Truck 1 1 70 25 Shuttle (Passenger)	
Warning Horn 3 2 70 25 Vacuum Street Sweeper 1 1 1 20 25	
Vacuum Street Sweeper 1 1 20 25	
During Concrete Peurs and Exeavation Hability Execution Hability	
Days per Phase: 3	
3 See Equipment Details Below 5 0 2 Daily Number of Trips: 5 10' 1	1000 1000
Concrete Saw 1 0 3 50	
Compactor (ground) 1 0 3 100	
Vibratine Hopper	
Utilities Hixtup Truck 5 1 3 25 Roller 1 0 3 100	
Flat Bed Truck 1 0 7 25 Dump Truck 1 1 7 25	
Front End Loader 1 1 15 50 Vacuum Streef Sweeper 1 1 35 25	
Shuttle (Passenger)	
Vehicles 0 0 35 25	
Warning Horn 2 2 13 25	3606 2887
Auger Drill Rig* 1 0 30 75 Piles: 120'	3000 2007
Backhoe 2 0 75 50	
Chain Saw	
Compressor (air) 2 0 9 25	
Concrete Mixer Truck 2 2 32 25	
Concrete Pump Tuck 1 1 2 50	
Concrete Saw 1 0 1 100	
Dozer* 0 0 30 100	
Drill Rtg Truck 1 0 30 25	
Dump Truck* 3 0 30 100 Excavator 2 0 32 50	
Flat Bed Truck 1 1 30 25	
Foundations and Generator 0 0 0 0 0 0 Generator C25KVA, VMA 0 0 0 0 0	
COULTINS Gradall 1 1 75 75	
Hydra Break Ram	
Jackhammer 1 0 10 50 Pavement Scardler 1 0 1 100	
Paver 1 0 1 100 Pickup Truck 10 1 1 75 25	
Pawer 1 U 1 100 Pickup Truck 10 1 75 25 Pneumatic Tools 2 0 9 25	
Pickup Truck 10 1 75 25 Pneumatic Tools 2 0 9 25 Purpos 1 0 15 75	
Roller* 1 0 1 100 Vacuum Excavator (Vac- 1 1 5 50	
Roller* 1 0 1 100 Vacuum Excavator (Vac- 1 1 5 50	
Roller* 1 0 1 100 Vacuum Excavator (Vac- 1 1 5 50 Vacuum Street Sweeper 1 1 15 75 Vibratin Hooper 2 2 2 5 50	
Roler	
Roler	
Roler	n/a n/a n/a
Roles	n/a n/a n/a
Roler	n/a n/a n/a
Roller]n/a n/a n/a
Roler	n/a n/a n/a
Roler	In/a In/a n/a
Roler	n/a n/a n/a
Roler	n/a n/a n/a
Alpine Tower Al]n/a n/a n/a
Alpine Tower Al	n/a n/a n/a
Alpine Tower Al	In/a In/a n/a
Alpine Tower Al	n/a n/a n/a
Alpine Tower Al]n/a]n/a n/a
Roller 1	Jn/a Jn/a n/a
Roller 1	n/a n/a n/a
Alpine Tower Al	n/a n/a n/a
Alpine Tower Al	In/a In/a n/a
Alpine Tower Al	
Alpine Tower Al	n/a n/a
Alpine Tower Al	
Alpine Tower Al	
Alpine Tower Al	
Alpine Tower Al	
Alpine Tower Al	
Alpine Tower Al	



	1 1		Vacuum Ctreat Curener	1		41 2	25								1
		1	Vacuum Street Sweeper	See Equipme	ent Details Below	1 2		20	10	10 During Hardscape	n/a	n/a	n/a	n/a	n/a
			Backhoe			2 24 1 15	50 25 25								
			Compactor (ground) Concrete Mixer Truck Generator			1 15	25 25								
	Vertical Circ. /		Generator)	0 0	0								
	Hardscape &		Dump Truck Flat Bed Truck Pickup Truck			1 24 1 30 1 80	25 25 25								
	Landscape/		Pickup Truck		i	1 30	25 25								
	Interior Work		Gradall Welders	1	Í	1 60 0 60	50 25								
				,		0 60	25								
			Vehicles Warning Horn			0 60	25								
			Vacuum Street Sweeper	1		0 60 2 60 1 20	25 25 25								
										During Concrete Pours ar	nd				
										Excavation Hauling Days per Phase: 2					
			2	See Equipme	ent Details Below			5	0	2 Daily Number of Trips: 5	10'	10'	1	60 16	0
			Backhoe Concrete Saw			1 11									
			Vibrating Hopper			0 2	50								
			Compactor (ground)			0 2	100								
			Concrete Mixer Truck	:	2	1 2	25								
	Utilities		Concrete Mixer Truck Pickup Truck Roller Gradall/Forklift		5	1 2	25								
			Cradall/Earklift			0 2	100								
			Flat Bed Truck			0 7									
			Dump Truck			1 7	25								
			Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger)			1 15 1 35	50								
			Shuttle (Passenger)												
			VOITICIOS)	0 35	25								
			Warning Horn		2	2 11	25			During Concrete Same	ud I				
										During Concrete Pours ar Excavation Hauling	IU .				
										Days per Phase: 7	Foundations: 10'				
		2	Auger Drill Rig*	See Equipme	ent Details Below	0 42	76	25	10	10 Daily Number of Trips: 80	Piles: 80'	3'	62	167 456	7 170
			Auger Drill Rig* Backhoe		2	0 42 0 105	75 50								
			Backhoe Chain Saw Compactor (ground) Compressor (air) Concrete Mixer Truck Concrete Saw Crane Dozer Dozer Dozer Dozer Dozer Diff Rig Truck Dump Truck Excavator Flat Bed Truck Generator			0 1									
			Compactor (ground)		2	0 5	75								
			Concrete Mixer Truck			2 44	25								
			Concrete Pump Truck			1 2	50								
			Crane			1 105	50 100 25 100 25 100								
			Dozer*)	0 42	100								
			Drill Rig Truck Dump Truck*			0 42	25								
			Excavator		2	0 44	50								
			Flat Bed Truck			1 30	25								
	Foundations and Columns		Generator Generator (<25KVA, VMA Gradall)	0 0	0								
	Columns		Gradall			1 105	75								
			Hydra Break Ram			0 1									
			Jackhammer*			0 10									
			Pavement Scarafier Paver			0 1									
			Pickup Truck	10)	1 105	25								
			Pickup Truck Pneumatic Tools			0 9	25								
			Pumps			0 21	75								
			Roller* truck)			0 1									
			truck)			1 5									
			Vacuum Street Sweeper Vibrating Hopper			1 21 2	75 50								
			Vibratory Concrete Mixer		3	0 44	25								
Chinatown / State			Warning Horn												
Park Station			Warning Horn Shuttle (Passenger)			3 105 0 80	25 25 25								
			Welder / Torch			1 30	25			During Steel Erection					
										Days per Phase: 180					I .
		2	Backhoe	See Equipme	ent Details Below	0] 14	25	25	10	10 Daily Number of Trips: 2	n/a	n/a	n/a	n/a	n/a
			Compactor (ground)		2	0 14 0 14	25 50								
			Compactor (ground) Compressor (air) Concrete Mixer Truck			1 140	25								
			Concrete Mixer Truck				25								
			Concrete Pump Truck Crane			0 14 1 140	50 75								
	Ot		Flat Bed Truck			1 140	25								
	Structural Steel and Gondola		Crane Flat Bed Truck Generator Generator (<25KVA, VMA Gradall Pickup Truck Pneumatic Tools Vacuum Executor (Vac			0 0	0								
	Equipment		Gradall			1 140	75								
	Erection		Pickup Truck Pneumatic Tools			1 140 2 140	25 25								
						0 5									
			Vacuum Street Sweeper			1 28	50 25 75								
			Ventillation Fan Vibrating Hopper			1 140 0 14	75 25								
			Vibratory Concrete mixer			0 14	25								
			Warning Horn Hand Held Metal Saw			4 140 0 45	25 25 25								
			Shuttle (Passenger)			0 140	25								
			Manlifts	-	2	0 120 4 140	50 25								
			Welder / Torch	· · · · · ·	"	*1 140	25			During Paving					
										During Paving Days per Phase: 1					
			2 Paver	See Equipme	ent Details Below	1 10	100	10	0	0 Daily Number of Trips: 10	n/a	1'	n/a	n/a	n/a
			Paver Roller Ground compactor Warning Horn			1 10	100								
	Asphalt & Re-		Ground compactor			0 10	50 25								
	Striping		Excavators												
	, ,		Excavators Pickup Truck	1	d	0 0	25								



	1	Dum Trick 2 1 4	50
		Dump Truck 2 1 4 Flat Bed Truck 1 0 10 Backhoe 2 2 10	## 1
		Shuttle (Passenger)	<u> </u>
		Vacuum Street Sweeper 1 1 2	25 During Hardscape
		40 See Equipment Details Below	Days per Phase: 20 10 10 Daily Number of Trips: 10 n/a 6' n/a n/a n/a
		Backhoe 1 1 1 80	50
		Compactor (ground)	25 25
	Vertical Circ. /	Concrete Mixer Truck	<u>50</u>
	Hardscape & Landscape/	Pickup Truck 5 1 80	25
	Interior Work	Dump Truck 1 1 50	25 25
		Gradall 1 0 200	<u>20</u> 50
		Welders 1 1 135 Vehicles 1 0 200	25
		Vehicles 1 0 200 Warning Horn 3 2 200 Vacuum Street Sweeper 1 1 20	25 25 25
		Vacuum Street Sweeper 1 1 20	25 During Concrete Pours and
			Exeverion Hauling Daves Phase 8
		8 See Equipment Details Below	5 0 2 Daily Number of Trips: 5 10' 10' 111 111 0
		Backhoe 1 1 38 Concrete Saw 1 0 8	
		Vibrating Hopper 1 0 8	50 75
		Compactor (ground) 1 0 8 1 Concrete Mixer Truck 2 1 8	00
	Utilities	Pickup Truck 5 1 8	25
		Roller 1 0 8 1 Gradall/Forklift 1 1 35	00
		Gradal/Forkilft	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>
		Dump Truck 1 1 7 Front End Loader 1 1 15	75 50 75 100 25 25 26 200 25 25 26 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
		Front End Loader 1 1 15 Vacuum Street Sweeper 1 1 35	<u> </u>
		Shuttle (Passenger)	
		Venicies 1 0 35 Warning Horn 2 2 38	25 25
			During Material Hauling Days per Phase: 12 18* to bottom of the slab on
		3 See Equipment Details Below	5 10 10 Daily Number of Trips: 70 grade 18" 0 9008 0
		Hydra Break Ram 1 1 1	50
	Demo Building	Chain Saw 1 1 1 Concrete Saw 1 1 1 1	50
	(Overlaps	Dozer* 1 1 12	50
	w/Foundations and Columns	Dump Truck* 70 5 12	1
	Phase)	Excavator 2 2 15 Jackhammer* 1 1 10	50 50
	, , , , , , , , , , , , , , , , , , ,	Pickup Truck 10 2 15 Vacuum Street Sweeper 1 1 15	25 75
		Warning Horn 3 1 15	25
		Shuttle (Passenger) Vehicles 1 0 15	<u>25</u> 25
		Welder / Torch 1 1 5	25 During Concrete Pours and
			Excavation Hauling
		28 See Equipment Details Below	25 10 10 Daily Number of Trips: 80 Piles: 120' 8' 6407 5379 1028
		Auger Drill Rig* 1 0 56 Backhoe 2 0 140	/5
		Chain Saw 1 0 1	50 50
		Compactor (ground) 2 0 5	75 25
		Concrete Mixer Truck 2 2 58 Concrete Pump Truck 1 1 2	25 50
		Concrete Saw 1 0 1 1 1 Crane 1 1 140	00
		Crane 1 1 140 Dozer* 0 0 56 1	25
		Dozer* 0 0 56 1 Drill Rig Truck 1 0 56	<u> </u>
		Dozen 0 0 50 1 1 1 1 1 1 1 1 1	000 25 000 25 000 50
	Foundations and Columns	Flat Bed Truck 1 1 30	26 0
	Columns	Generator (<25KVA, VMA 0 0 0	
		Gradall 1 1 140 Hydra Break Ram 1 0 1	75 50
			50 50 100
		Pavement Scaraffer 1 0 1 1 Paver 1 0 1 1	<u>w</u> 100
		Pickup Truck 10 1 140 Pneumatic Tools 2 0 9	25 25
		Pneumatic Tools 2 0 9 Pumps 1 0 28	75
		Roller* 1 0 1 1 Vacuum Excavator (Vac. 1 1 5	75 000 50 75
		Vacuum Excavator (Vac- 1 1 5 Vacuum Street Sweeper 1 1 28	
		Vibrating Hopper 2 2 5 Vibratory Concrete Mixer 6 0 58	50 25
		Warning Horn 4 3 140 Shuttle (Passenger) 1 0 80	200
		Shuttle (Passenger) 1 0 80 Welder / Torch 1 1 30	25 25 25
	Deck Shoring, Cribbing, and		
Broadway Junction		2 See Equipment Details Below	12 6 5
		Gradall 2 2 10 Crane 1 1 10	75
		Vigurum Ctroot Suppose 4 4 4 4	25
		vacuum street sweeper	
		Vacuum Street Sweeper 1 1 1 Flat Bed Truck 3 1 10 Seisser Lift 2 2 10	50
		Valciburi Streets - versions 1 1 1 1 1 1 1 1 1	75 75 25 50 50 50
		Welder / Torch 1 1 5 Compressor (air) 2 2 10	50 50
		Welder / Torch 1 1 5 Compressor (air) 2 2 10 Pneumatic Tools 2 2 10 Chain Saw 1 1 1 4	50 50 50 50 50 50 50 50



	Warning Horn	3	2 10 1	25								
	Pickup Truck	5	1 0	25 25			During Steel Erection					
							Days per Phase: 140					
	38 Backhoe	See Equipment Details Below	0 19	25	25	10	10 Daily Number of Trips: 2	n/a	n/a	n/a	n/a	n/a
	Backhoe Compactor (ground) Compressor (air) Concrete Mixer Truck	2	0 19 0 19 1 190 2 19	25 50 25 25								
	Concrete Mixer Truck	2	2 19	25								
	Concrete More Truck Concrete Pump Truck Concrete Pump Truck Crane Generator	1	0 19 1 190 1 190	50 75 25								
0, , , , , ,	Flat Bed Truck	1	1 190	25								
Structural Steel and Gondola	Generator Generator (<25KVA, VMA	0	0 0	0								
Equipment	Gradall	1	1 190 1 190 2 190 0 5 1 38	75								
Erection	Prickup Truck Pneumatic Tools	2	1 190	75 25 25 50 25 75 25 25 25 25 25								
	Vacuum Excavator (Vac-	1	0 5	50								
	Ventillation Fan	1	1 190	75								
	Vermination Pair Vibrating Hopper Vibratory Concrete mixer Warning Horn Hand Held Metal Saw	2	1 190 0 19 0 19 0 19 0 38	25 25								
	Warning Horn	4	4 190	25								
	Hand Held Metal Saw Shuttle (Passenger)	1	0 38	50								
	Manlifts Welder / Torch	2	0 190 0 170 4 190	25 50 25								
Deck Removal		4 See Equipment Details Below	4 190	25	12	61	101					
Deck Removal	Gradall Crane Vacuum Street Sweeper	2	2 15 1 15	75	12	0	10			1		
	Crane Vacuum Street Sweeper	1	1 1	50 25								
	Flat Bed Truck Scissor Lift	3	1 15	50								
	Scissor Lift	2	2 15	50								
	Welder / Torch Compressor (air)	2	1 7 2 15	75 50 25 50 50 50 50 50 50 50 25 25 25								
	Pneumatic Tools Shuttle (Passenger)	5	2 15 0 15	50								
	Shuttle (Passenger)	1 3	U 15	25								
	Warning Horn Pickup Truck	5	2 15 1 15	25 25								
							During Asphalt Days per Phase: 1					
	2	See Equipment Details Below			10	0	0 Daily Number of Trips: 10	n/a	1'	n/a	n/a	n/a
	Paver Roller	1	1 10 1 10	100 100 50 25	·					<u></u>		
Asphalt & Re-	Ground compactor	2	0 5 2 10	50								
Asphalt & Re- Striping	Paver Roller Ground compactor Warning Horn Excavators Pickup Truck Duren Truck	2	2 10	0								
Striping	Pickup Truck	5	1 10	25								
	Dump Truck Flat Bed Truck	2	1 5	25 25 25 25 75								
	Backhoe	2	2 10	75								
	Shuttle (Passenger) Vacuum Street Sweeper	0	0 5 2 10 0 10 1 2	25 25								
	vacuum oneer oweeper	***	- 1	23			During Hardscape					
	29						Days per Phase: 20	,				
		See Equipment Details Below	1 58	50	20	10	10 Daily Number of Trips: 10	n/a	O .	n/a	n/a	n/a
	Compactor (ground)	1	1 15	25								
Vertical Circ /	Backhoe Compactor (ground) Concrete Mixer Truck Crane	1	1 15 1 15 1 58	25 25 50								
Vertical Circ. / Hardscape &	Crane Generator	1 1 1 0	1 58 1 15 1 15 1 58 0 0	50 25 25 50 0								
Hardscape & Landscape/	Crane Generator Dump Truck	1 1 1 0 0	0 0	50 25 25 50 0 25								
Hardscape &	Crane Generator Dump Truck	1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116	25 25 50 0 25 25 25								
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall	1 1 1 0 1 1 1 5	0 0 1 87 1 116 1 80 0 145	25 25 50 0 25 25 25 25								
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders	1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116 1 80 0 145 1 135	25 25 50 0 25 25 25 25 25 25 25								
Hardscape & Landscape/	Grane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders Vehicles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116 1 80 0 145 1 135	0 25 25 25 50 25								
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116 1 80 0 145 1 135	0 25 25 25 50 25								
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders Vehicles Warning Horn	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116 1 80 0 145 1 135	0 25 25 25 50 25			During Concrete Pours and					
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders Vehicles Warning Horn	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 116 1 80 0 145 1 135	0 25 25 25 50 25			Excavation Hauling Days per Phase: 3					
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Gradall Welders Vehicles Warning Horn Vacuum Street Sweeper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1 17 16 1 17 17 17 17 17 17 17 17 17 17 17 17 1	0 25 25 25 55 50 25 25 25 25 25	5	0	During Concrete Pours and Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5	10'	10'		3500	3500
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Flokup Truck Gradal Weels Vehicles Vehicles Vehicles Vanina Horn Vacuum Street Sweeper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 877 1 116 1 80 0 145 1 135 0 145 2 145 1 20	0 25 25 25 50 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500 ::	3500
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1 17 16 1 17 17 17 17 17 17 17 17 17 17 17 17 1	0 25 25 25 50 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500	3500
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Pickup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5)	0	Excavation Hauling Days per Phase: 3	10'	10'		3500	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradat Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 8 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500	3500
Hardscape & Landscape/	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Miser Truck Roller	\$\$ See Equipment Details Below\$\$ 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradall Welders Vehicles Warnina Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Roller Gradallif Forklift	\$\frac{1}{1}\$ \$\	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5)	0	Excavation Hauling Days per Phase: 3	10'	10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Nizer Fruck Roller Gradall Froklift Flat Bed Truck	\$\$ See Equipment Details Below \$\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Pickup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibruiting Hopper Compeler (ground) Flokup Truck Concrete Miser Truck Roller Gradalif-Roklift Flat Bed Truck Dump Truck Front End Loader Front End Loader	1	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 26 26 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Weiders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Rolledill Forklift Get Bed Truck Front End Loader Vacuum Street Sweeper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 87 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 25 25 25 50 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Nier Truck Roller Gradalif-Forklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger)	See Equipment Details Below 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 67 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3	10'	10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Weiders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Rolled Forkith Generating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Rolled Forkith Generating Hopper Flat Bed Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger) Vehicles	1	0 0 0 1 1 87 1 1 16 1 16 1 16 1 16 1 16 1 17 1 17	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5	10'	10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Nier Truck Roller Gradalif-Forklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger)	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 67 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5	10'	10'		3500	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Pickup Truck Weiders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Rolled Forkith Generating Hopper Compactor (ground) Flokup Truck Concrete Miser Truck Rolled Forkith Generating Hopper Flat Bed Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger) Vehicles	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 87 1 1 16 1 16 1 16 1 16 1 16 1 17 1 17	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling		10'		3500 :	3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Welders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Concrete Saw Concrete Gaw Vibrating Hopper Concregator (ground) E. Concrete Moer Truck Colleged Concrete Moer Truck Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger) Vehicles Warning Horn	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5 25	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	10° Foundations: 7' Pules: 120'	10'			3500
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Gradal Weldere Verbiede Verbiede Verbiede Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Mixer Truck Roller Gradalif-Porklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Strutte Gradalif-Porklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Strutte (Passenger) Verbicles Warning Horn	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Gradal Weldere Verbiede Verbiede Verbiede Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Mixer Truck Roller Gradalif-Porklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Strutte Gradalif-Porklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper Strutte (Passenger) Verbicles Warning Horn	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 16 1 16 1 16 1 16 1 16 1 16 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Pickup Truck Gerders Werlders Warnina Horn Vacuum Street Sweeper 3 Backinoe Concrete Saw Vibrating Hisper Compactor (ground) Flokup Truck Concrete Moer Truck Concrete Saw Vibrating Hisper Compactor (ground) Flokup Truck Concrete Saw Vibrating Hisper Compactor (ground) Flokup Truck Concrete Miser Truck Concrete Saw Vibrating Hisper Vacuum Street Sweeper Shuttle (Passenger) Vehicles Warning Horn 15 Auger Drill Rig* Backhoe Chain Saw Compactor (ground)	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 1 16 1 16 1 16 1 16 1 16 1 16	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flatt Bed Truck Flatt Bed Truck Flatt Bed Truck Gradat Welders Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Miser Truck Roller Gradatif Frank Flatt Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper 18 18 Auger Drill Rig* Backhoe Warning Horn	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Fint Bed Truck Fint Bed Truck Pickup Truck Gwiders Vehicles Warning Horn Vacuum Street Sweeper 3 Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Mose Truck Definition Fint Bed Truck Fint Bed Truck Concrete Mose Truck Compactor (ground) Fint Bed Truck Concrete Mose Truck Concrete Mose Truck Compactor (ground) Fint Bed Truck Fint Bed Truck Fint Bed Truck Concrete Truck Compactor (ground) Vacuum Street Sweeper Shuttle (Passenger) Vehicles Vaning Horn	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 17 16 1 17 16 1 17 17 17 17 17 1 1 17 1 1 17 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5 25	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Filet Bed Truck Filet Bed Truck Gradal Union Variation Vari	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 17 16 1 17 16 1 17 17 17 17 17 1 1 17 1 1 17 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	25	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Filet Bed Truck Filet Bed Truck Gradal Union Variation Vari	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 16 1 16 1 16 1 16 1 16 1 16 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	0	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Filet Bed Truck Filet Bed Truck Gradal Union Variation Vari	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 16 1 16 1 16 1 16 1 16 1 16 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape/ Interior Work	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Wetolers Verbicles	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	5	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape/ Interior Work Utilities	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flokup Truck Gradal Wetolers Verbicles	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	25	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape Interior Work Utilities Foundations and	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flat Bed Truck Gradal Weldere Verbices Verbices Verbices Verbices Vacuum Street Sweeper Vacuum St	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 16 1 17 7 1 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	25	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			
Hardscape & Landscape/ Interior Work Utilities	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flat Bed Truck Gradal Welders Vabrice Warning Horn Vacuum Street Sweeper Backhoe Concrete Saw Vibrating Hopper Compactor (ground) Pickup Truck Concrete Miser Truck Roller Gradalif Forklift Flat Bed Truck Dump Truck Front End Loader Vacuum Street Sweeper 18 Auger Drill Rig" Backhoe Chain Saw Compactor (ground) Compressor (ground) Compressor (ground) Compressor (ground) Dump Truck Front End Loader Vacuum Street Sweeper Shuttle (Passenger) Vehicles Warning Horn 15 Auger Drill Rig" Backhoe Chain Saw Compactor (ground) Compressor (ground) Compressor (ground) Compressor (ground) Compressor (ground) Compressor (ground) Compressor (ground) Concrete Saw Crane Dozer Dozer Ontil Rig Truck Generator Flat Bed Truck Generator (SSVA) MMA	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 17 16 1 17 16 1 17 16 1 17 16 1 17 17 1 17 1 17 1 17 1 17 1 1 1 1	0 0 25 100 0	25	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	10'			
Hardscape & Landscape Interior Work Utilities Foundations and	Crane Generator Dump Truck Flat Bed Truck Flat Bed Truck Flat Bed Truck Gradal Weldere Verbices Verbices Verbices Verbices Vacuum Street Sweeper Vacuum St	1 1 1 1 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 87 1 1 16 1 16 1 16 1 16 1 16 1 16	0 0 25 25 25 25 25 25 25 25 25 25 25 25 25	25	10	Excavation Hauling Days per Phase: 3 2 Daily Number of Trips: 5 During Concrete Pours and Excavation Hauling Days per Phase: 4	Foundations: 7'	3'			



Section 1	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Stadum Toers Stadum Toers	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Security Control Control	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Security Control Control	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Security Control Control	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Control of the cont	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Control of the cont	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Part	25	10	Days per Phase: 175	nía	n/a n/a	n/a
Section of Control 19 19 19 19 19 19 19 1	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Section of Control 19 19 19 19 19 19 19 1	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
10 10 10 10 10 10 10 10	25	10	Days per Phase: 175	n/a	n/a n/a	n/a
Services David Control	25	10	10 Daily Number of Trips: 2 n/a	n/a	n/a n/a	n/a
Contract speech Contract s						
Structural Tours of T						
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Worker Concess rate						
Worker Concess rate						
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Applied Re-						
Storope						
Vertical Circ. /	0	0	0 n/a n/a	n/a		n/a
Vertical Cits. / Participal City. / Participal City	20	10	10 n/a n/a	n/a	n/a n/a	n/a
Vertical (fire / Interface)						
Vertical Cinc / I Committed						
Marine 1 0 50 25						
Marine 1 0 50 25						
Various 1						
Marine 1 0 50 25						
Visiting the Name See Equation Design De						
See Engineer Details Balow See Engineer D						
Section 1 1 22 72			Excavation Hauling Days per Phase: 5			
Utilities Concrete Sear	5	0	2 Daily Number of Trips: 5 10	10"	1600	1600
Utilities Compactor (ground) 1						
Utilifies Pickup Truck 5						
Concrete Mater Truck 2						
GradulfFoxMt						
Warning Horn 2 2 2 25 25						
Warning Horn 2 2 2 25 25						
Warning Horn 2 2 2 25 25						
Warning Horn 2 2 2 25 25						
See Equipment Details Below 25 10 10 10 10 10 10 10 1						
See Equipment Details Below 25			During Concrete Pours and			
See Equipment Details Below 25 10 10 Daily Number of Trips: 80 Piles: 55' 3' 4431 44001			Excavation Hauling			
Auger Drill Rigi" 1 0 62 75 Backhore 2 0 155 50 Chain Saw 1 0 1 55 50 Chain Saw 1 1 0 1 55 75 Compactor (ground) 2 0 5 75 Compressor (air) 2 0 9 25 Concrete New Truck 2 2 2 64 25 Concrete New Truck 1 1 2 50 Concrete Saw 1 0 1 100 Concrete Saw 1 1 0 1 155 25 Dozer 0 0 62 100 Diril Rig Truck 1 1 0 62 25 Dozer 0 0 64 80 Exavator 2 0 64 80 Fills Bed Truck 1 1 3 0 25 Generator 2 0 0 0 0 62 100 Generator 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25	10	10 Daily Number of Trips: 80 Piles: 55'	3'	44313	44001
Chair Saw						
Foundations and Columns Compress Mixer Truck 2 2 64 25 Concrete Mixer Truck 1 1 1 2 50 Concrete Saw 1 0 1 100 Crane 1 1 155 25 Dozer 0 0 62 100 Dim Rig Truck 1 0 62 25 Dim Pruck 3 0 62 100 Dim Rig Truck 3 0 62 100 Ecavator 2 0 64 8 30 Ecavator 2 0 64 8 30 Ecavator 2 0 0 64 8 30 Ecavator 2 0 0 64 8 30 Ecavator 2 0 0 64 8 30 Ecavator 1 1 1 30 25 Generator 2 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 0 0 Generator 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
Foundations and Concrete Moter Truck 2 2 2 64 25 Concrete Saw 1 1 1 2 50 Concrete Saw 1 1 0 1 1 50 Concrete Saw 1 1 0 1 1 50 Concrete Saw 1 1 1 55 20 Concrete Saw 1 1 0 0 62 2 20 Drift Rig Truck 1 0 0 62 100 Drift Rig Truck 3 0 62 100 Drift Rig Truck 3 0 62 100 Ecavator 2 0 64 50 Fill Bed Truck 1 1 30 25 Generator CESWA, VIAA 0 0 0 0 0 0 Generator CESWA, VIAA 0 0 0 0 0 0 Generator CESWA, VIAA 0 0 0 0 0 0 Gradall 1 1 1 155 75 Hydra Break Ram 1 0 1 50 Jackhammer 1 0 1 50 Pewerent Scarafer 1 0 1 100						
Concrete Saw						الدراوي
Crane 1 1 155 25 Dozer* 0 0 62 100 Dring Truck* 1 0 62 25 Dump Truck* 3 0 62 100 Exawator 2 0 64 50 Flat Bed Truck 1 1 30 25 Generator 0 0 0 0 Generator (<25kVA, VMA						
Fitt bed Intick 1 1 30 25 Generator 0 0 0 0 0 Generator <25KVA, VMA 0 0 0 0 0 Gradal 1 1 155 75 Hydra Break Ram 1 0 1 50 Jackhammer 1 0 0 10 50 Pawement Scarafler 1 0 1 100 Pawement Scarafler 1 0 1 100						الدراوي
Fitt bed Intox Generator Generator (<25KVA, VMA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
Fitt bed Intox Generator Generator (<25KVA, VMA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
Fitt bed Intox Generator Generator (<25KVA, VMA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						التواليون
Generator (<2SKVA, VMA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						الدراوي
Hydra Break Ram 1 0 1 50 Jackhammer* 1 0 10 50 Pavement Scarafer 1 0 1 100 But 1 0 1 100						
Hydra Break Ram 1 0 1 50 Jackhammer* 1 0 10 50 Pawement Scaraffer 1 0 1 100 Dec. 1 1 100						الواليون
Jackhammer*						
Paver 1 0 1 100 Paver 1 0 1 100 Pickup Truck 10 1 155 25 Pneumatic Tools 2 0 9 25 Pumps 1 0 31 75						
Pickup Truck						الواليون
Pheumatic tools 2 U 9 25 Pumps 1 0 31 75						الواليون
Roller* 1 0 1 100						
Vacuum Excavator (Vac-						
Vibrating Hopper 2 2 5 50						
Station						
Vacuum Excavator (Vac- 1 1 5 50 Vacuum Street Sweeper 1 1 31 75 Vacuum Street Sweeper 1 1 31 75 Vitrating Hopper 2 2 5 50 Vitrating Hopper 6 0 64 25 Vitrating Hopper 7 0 0 0 Vitrating Hopper 7 0 0 0 Vitrating Hopper 7 0 0 0 Vitrating Hopper 7 0 0 0 0 Vitrating Hopper 7 0 0 0 0 Vitrating Hopper 7 0 0 0 Vitrating Hopper 7 0 0 0 Vitrating Hopper 7 0 0 0 0 0 Vitrating Hopper 7 0 0 0 0 0 0 Vitrating Hopper 7 0 0 0 0 0 0 0 0 0		25	25 10	During Concrete Pours and Excavation Hauling Days per Phase: 24 10 Daily Number of Trips: 80 Piles: 55'	During Concrete Pours and Excavation Hauling Days per Phase: 24 Foundations: 42* 10 Daily Number of Trips: 80 Piles: 55* Piles: 55*	During Concrete Pours and Excavation Hauling Days per Phase: 24 10 Daily Number of Trips: 80 Piles: 55' 3' 44313



	Welder / Torch	1	1	30 25						
	, and the second			·			During Steel Erection			
							Days per Phase: 90 10 Daily Number of Trips: 2 n/a			
	24	See Equipment Details Below			25	10	10 Daily Number of Trips: 2 n/a	n/a	n/a	n/a
	Backhoe	2	0	12 25						
	Compactor (ground)	2	0	12 50						
	Compressor (air)	1	1	120 25 12 25						
	Compressor (air) Concrete Mixer Truck Concrete Pump Truck	2	2	12 25						
	Crane	1	1	120 75						
	Flat Bed Truck	1	- 1	120 25						
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and Gondola	Generator (<25KVA VMA	0	Ů	ő ő						
Equipment	Gradall Pickup Truck	1	1	120 75						
Erection	Pickup Truck	5	1	120 25						
Erection	Pneumatic Tools	2	2	120 25						
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	Vacuum Excavator (Vac- Vacuum Street Sweeper	1	1	24 25						
	Ventillation Fan	1	1	120 75 12 25						
	Vibrating Hopper	2	0	12 25						
	Vibratory Concrete mixer	4	0	12 25						
	Warning Horn	4	4	120 25						
	Hand Held Metal Saw	1	0	24 50						
/	Manlifts Welder / Torch	2	0	100 50 120 25						
	Welder / Torch	4	4	120 25						
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	Paver Roller	1	1	10 100						
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Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Dickup Truck	1 2 2 2 0 5 5	1 0 2 0 1	5 50 10 25 0 0						
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Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Dickup Truck	1 2 2 2 0 5 5 2 1 1	1 0 2 0 1 1 1 0 2	5 50 10 25 0 0						
Asphalt & Re- Striping	Ground compactor Warning Horn Excavators	1 2 2 2 0 5 2 1 1	1 0 2 0 1 1 1 0 2 2	5 50 10 25 0 0 0 10 25 5 25 5 25			During Mordespee			
Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Dickup Truck	1 2 2 0 5 5 2 1 1	1 0 2 0 1 1 1 1 0 2 2	5 50 10 25 0 0 0 10 25 5 25 5 25			During Hardscape			
Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Pickup Truck Dump Truck Flat Bed Truck Backhoe Vacuum Street Sweeper	1 2 2 2 0 0 5 5 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1	1 0 2 0 1 1 1 0 2	5 50 10 25 0 0 0 10 25 5 25 5 25	20	10	During Hardscape Days per Phase: 20	6'	n/a	n/a
Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Pickup truck Dump Truck Rail Bed Truck Use State State State Vacuum Street Sweeper	1	1 0 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 50 50 10 255 50 10 255 5 25 5 25 25 25 25 25 25 25 25 25 2	20	10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a
Asphalt & Re- Striping	Ground compactor Warning Horn Excavators Dump Truck Flat Bed Truck Backhoe Vacuum Street Sweeper	1	1 0 2 0 1 1 1 0 0 2 1 1 1 1 1 1 1 1 1 1	5 50 10 25 0 0 0 10 25 5 25 5 25 10 75 2 25	20	10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a
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Striping Vertical Circ. /	Ground compactor Warning Horn Excavators Pictus Truck Flat Bed Truck Backhoe Vacuum Street Sweeper 33 Backhoe Compactor (ground)	1	1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 50 50 10 25 50 10 25 50 10 25 50 10 25 50 25 50 10 75 50 25 50 50 50 50 50 50 50 50 50 50 50 50 50	20	10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6'	n/a	n/a
Striping Vertical Circ. / Hardscape &	Ground compactor Warning Horn Excavalors PHotos Truck Dump Truck Backfloe frunk Backfloe frunk Vacuum Street Sweeper 33 Backnoe Compactor (ground) Crane Concrete More Truck	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 0 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 50 10 25 0 0 0 10 25 10 25 10 75 10 75 2 25 10 75 10 75 2 5 10 75 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	20	10	During Hardscape Days per Phase: 20 10 Daily Number of Trips: 10 n/a	6.	n/a	n/a
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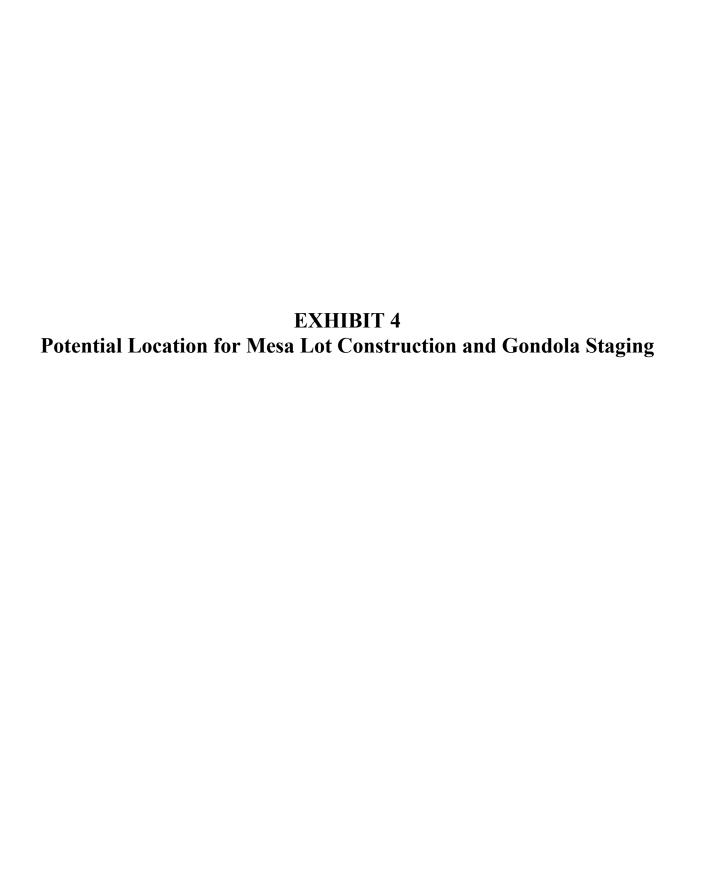




EXHIBIT 5 Construction Schedule

Draft Construction, Rope Pulling, and System Testing Schedule for the Proposed Project

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Project Component/Activity										7	otal P	oject D	uratio	n 25 n	nonth	15									
Alameda Station		17 months																							
Alameda Tower												12 mo	nths												
Alpine Tower								11 n	nonths																
Chinatown/State Park Station		19 months																							
Broadway Junction										19 mc	onths														
Stadium Tower									12	month	S														
Dodger Stadium Station										20	month	S													
Rope Pulling																		5 r	month	าร					
Alameda Station to Broadway Junction																		10 weeks	5						
Broadway Junction to Dodger Stadium Station																				10 week	cs				
System Testing											4 m	onths													

Notes:

^{1.} This construction schedule does not include utility relocations which will occur prior to the start of construction.

^{2.} System testing includes fine tuning of the system and hanging of the cabins.

APPENDIX B CONSTRUCTION ASSUMPTIONS

- Rope Pulling and System

Testing Memorandum



MEMORANDUM

TO: David DeRosa, AECOM

FROM: Mike Deiparine

DATE: March 01, 2022

PROJECT: LA ART

SUBJECT: Rope Pulling and System Testing

This memo provides preliminary information on anticipated rope pulling and system testing activities for the proposed Los Angeles Aerial Rapid Transit project ("LA ART" or "Project").

1. OVERVIEW OF CABLES AND ROPEWAY TECHNOLOGY

The proposed Project would use a tri-cable (3S) system, which relies on three steel cables to support and move the cabins. The proposed Project's tri-cable technology would be comprised of two stationary cables (track ropes) that provide support for the running wheels of the cabins, and a third cable (haul rope) that would circulate continuously around the system. The haul rope, which is the propulsion rope, is moved by the turning of a large sheave known as a "drive bull wheel". The drive bull wheel is turned by motors located at the station or junction. The haul rope is looped around a drive bull wheel at one station/junction and a return bull wheel at the opposing station/junction. Five cables are needed for a 3S system: 2 track ropes on the outbound side, 2 track ropes on the inbound side, and the continuous haul rope loop.

Due to the length and geometry of the proposed Project, it is anticipated that two such ropeway systems would be used. The first section would carry passengers from the Alameda Station to the Broadway Junction. The second section would carry passengers from the Broadway Junction to the Dodger Stadium Station. The transition between the two systems would occur in the Junction, in a manner inconspicuous to the passengers. This system transition requires one haul rope loop from the Alameda Station to the Broadway Junction and one haul rope from the Broadway Junction to the Dodger Stadium Station. It is anticipated that the track ropes will also extend from the Alameda Station to the Broadway Junction and the Broadway Junction to the Dodger Stadium Station.

Accordingly, it is anticipated the Project will require 10 cables: four track ropes and one haul rope from the Alameda Station to the Broadway Junction and four track ropes and one haul rope from the Broadway Junction to the Dodger Stadium Station. It is, however, possible that the track ropes could be terminated at each station and junction, which would add four additional track ropes for the portion of the alignment between Chinatown/State Historic Park Station and Broadway Junction.

2. ROPE PULLING

The "pulling" of the cables requires the placement of an initial thin, light line rope from one end to the other, which will be used to pull progressively larger cables. The initial placement is anticipated to be flown either by drone or helicopter. Rope pulling activities for each of the two ropeway systems would require temporary closure of roadways underneath each ropeway system of the Project alignment. In order to minimize traffic disruption, rope pulling activities for each ropeway system would not occur contemporaneously. Rope pulling activities for the ropeway system from Alameda Station to Broadway Junction would require temporary closure of Alameda Street, Spring Street and North Broadway, as well as portions of roadways that intersect with these roadways, for up to two non-consecutive days. Rope pulling activities for the ropeway system from Broadway Junction to Dodger Stadium Station would require temporary closure of North Broadway, Bishops Road, Savoy Street, SR-110, and Stadium Way, for up to two non-consecutive days. The Project will coordinate with the rope pulling specialist to minimize closures during rope pulling. Coordination will seek to minimize closures, including during peak hours.

Once the initial rope is placed and secured at each end, one end of the rope is attached to the next larger rope, which is then pulled from its spool to the pulling location. Once the second rope has been pulled, it is secured, then one end is attached to the next rope and the process is repeated until the final cable is in place. We anticipate there will be approximately two intermediate rope sizes between the initial rope and the final cable. Temporary protection and supports, such as cranes to support the ropes, may be required at locations between towers and stations/junctions.

We estimate 10 weeks will be required from the start of rope pulling activities to the end of rope pulling activities, per system. The pulls of the two systems will not be simultaneous.

The pulling activities will require a 50-100 hp diesel hydrostat winch at each end. There will be ancillary power needs, likely supplied by a ~5kW skid mounted generator or utility power. We anticipate a Conex or similar apparatus with a variety of tools, rigging equipment, and other supplies. Each of the 10 cables will be delivered on its own spool of 20-40 tons. These will be received and moved around as needed by a crane. A tractor or lift will be required to move the skid generator, winches, and other heavy items. We estimate 10 workers will be at each end of the rope during each pull for a total of 20 workers.

3. SYSTEM TESTING

After the system construction and erection are complete, technicians will make fine adjustments to machinery, controls, tower heads, and other relevant components. The system would undergo formal testing as prescribed by the California Division of Occupational Safety and Health (Cal/OSHA) and appropriate ropeway standards.

Throughout the testing period, technicians of various disciplines will be on site, as will inspectors. We have assumed testing will occur over a period of 2 months for each system. We estimate testing will require an average of 10 technicians and will involve an average of 10-15 additional people during demonstration activities.