

**Project Study Report-Project Development Support  
(PSR-PDS)  
to  
Request Approval for Locally Funded Project to Proceed to  
the Project Approval and Environmental Document Phase  
(PA&ED)  
and  
Authorize Preparation of a Cooperative Agreement**

On Route 1

Between 0.2 mile south of Cypress Avenue

And 0.1 mile north of 16th Street

APPROVAL RECOMMENDED:

*Liliana Price*

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LILIANA PRICE, Project Manager,  
Program and Project Delivery  
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Accepts risks identified in this PSR-PDS  
and attached risk register



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APPROVED:

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FOR DINA EL-TAWANSY, Caltrans District Director

02/28/2024

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Date

# Vicinity Map



In San Mateo County, at Moss Beach from 0.2 mile south of Cypress Avenue to 0.1 mile north of 16th Street

This project study report-project development support has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

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DATE



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Date

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## ACRONYMS

ASBS	area of special biological significance
BMP	best management practice
Caltrans	California Department of Transportation
C/CAG	City/County Association of Governments of San Mateo County
CEQA	California Environmental Quality Act
CGP	construction general permit
CHP	California Highway Patrol
CMP	congestion management plan
Connect the Coastsides	Connect the Coastsides: The San Mateo County Midcoast Comprehensive Transportation Management Plan
County	County of San Mateo
DED	draft environmental document
DOE	District Office Engineer
DSA	disturbed soil area
EA	expenditure authorization
FHWA	Federal Highway Administration
HMA	hot mix asphalt
ISA	initial site assessment
kV	kilovolt
MOE	measure of effectiveness
mph	mile(s) per hour
MTC	Metropolitan Transportation Commission
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
PA&ED	project approval and environmental document
PCTA	post-construction treatment area
PDO	property damage only
PEAR	preliminary environmental analysis report
PG&E	Pacific Gas and Electric Company
PID	project initiation document
plan	Connect the Coastsides: The San Mateo County Midcoast Comprehensive Transportation Management Plan
PM	post mile
PPS	preliminary planning study
project	Moss Beach State Route 1 Congestion and Safety Improvements Project
PS&E	plans, specifications, and estimates
PSR-PDS	project study report-project development support
RTP	regional transportation plan
RWQCB	Regional Water Quality Control Board

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SamTrans	San Mateo Transit District
SB	Senate Bill
SCS	sustainable communities strategy
SHOPP	State Highway Operation and Protection Program
SHPO	State Historic Preservation Officer
SMCTA	San Mateo County Transportation Authority
SR	State Route
STIP	State Transportation Improvement Program
SWDR	storm water data report
SWITRS	Statewide Integrated Traffic Records System
TASAS	Traffic Accident Surveillance and Analysis System
TCE	temporary construction easement
TCR	transportation concept report
TEPA	traffic engineering performance assessment
TIP	Transportation Improvement Program
TMP	transportation management plan
TSDP	transportation system development plan
USFWS	United States Fish and Wildlife Service



## **1. INTRODUCTION**

### **1.1 Project Description**

The County of San Mateo (County), in cooperation with the San Mateo County Transportation Authority (SMCTA) and the California Department of Transportation (Caltrans), is initiating the Moss Beach State Route (SR) 1 Congestion and Safety Improvements Project (project) in the unincorporated community of Moss Beach in San Mateo County.

The proposed project entails modifying approximately 1.1 miles of SR 1, from 0.2 mile south of Cypress Avenue at post mile (PM) 34.8 to 0.1 mile north of 16th Street (PM 35.9). It includes portions of Cypress Avenue, California Avenue, Wienke Way, and 16th Street. The Project Location Map is included in Attachment A.

The proposed project would change intersection controls at SR 1/Cypress Avenue, SR 1/California Avenue, and SR 1/16th Street. The intersections of SR 1 with Vermont Avenue, Virginia Avenue, Etheldore Street, Vallemar Street, and Wienke Way would also be improved. In addition, the project includes improvements related to upgrading traffic control and traffic calming devices to ensure a safe overall design and operation in this segment of SR 1.

The project would include bicycle and pedestrian improvements, such as installing sidewalks or pathways on the western side of SR 1 from Marine Boulevard to Vallemar Street; a separated bicycle/pedestrian trail on the eastern side of SR 1 from Marine Boulevard to Etheldore Street; Class II Bike Lanes on SR 1; high-visibility crosswalks; and bus stop improvements. The project would also include the necessary signage and pavement markings to implement changes to the operation of the roadway. Conceptual plans are included in Attachment B.

Caltrans, as assigned by the Federal Highway Administration (FHWA), is the lead agency under the National Environmental Policy Act (NEPA). Caltrans is the lead agency under the California Environmental Quality Act (CEQA).

This document serves as the authorizing document to execute the project approval and environmental document (PA&ED) phase Cooperative Agreement with SMCTA. SMCTA is the sponsoring and implementing agency. The project is funded through the project initiation document (PID) phase by SMCTA Measure W and the County. Caltrans will provide oversight. Caltrans may also provide specific deliverables on a reimbursed basis.

<b>Project Limits</b>	04 – SM – 1 – PM 34.8/35.9	
<b>Number of Alternatives</b>	Three (Two Build Alternatives and the No-Build Alternative)	
	<b>Current Cost Estimate:</b>	<b>Escalated Cost Estimate:<sup>1</sup></b>
<b>Capital Outlay Support (PA&amp;ED)</b>	\$3,377,000 – \$3,424,000	\$4,032,300– \$4,088,400
<b>Capital Outlay Support (Plans, Specifications, and Estimates [PS&amp;E], Right of Way, and Construction)</b>	\$9,396,000 – \$9,736,000	\$11,219,00 – \$11,625,000
<b>Capital Outlay Construction</b>	\$24,118,000 – \$24,576,000	\$28,798,000 – \$29,345,000
<b>Capital Outlay Right of Way</b>	\$2,946,000 – \$5,068,000	\$3,252,000 – \$5,594,000
<b>Funding Source</b>	Currently funded through the PID phase. Anticipated funding sources: Local (County) and San Mateo County Measure W (Sales Tax) and other State and Federal Funding sources.	
<b>Type of Facility</b>	Two-lane conventional highway <sup>2</sup>	
<b>Number of Structures</b>	None	
<b>Environmental Determination or Document</b>	CEQA Initial Study/Mitigated Negative Declaration and NEPA Environmental Assessment	
<b>Legal Description</b>	On State Highway in San Mateo County in Moss Beach on Route 1 from 0.2 Mile South of Cypress Avenue to 0.1 Mile North of 16th Street	
<b>Project Development Category</b>	4A	

Notes:

1. Escalation rate 3.0 percent per year
2. Traversable highway

## 2. BACKGROUND

### 2.1 Existing Facility

SR 1 is a major north-south highway that runs along California's Pacific Coast. It provides primary access to coastal communities, beaches, parks, and other attractions along the coast. It connects the unincorporated community of Moss Beach to the cities of Pacifica, Daly City and San Francisco to the north; and to the city of Half Moon Bay and the San Mateo county coastline to the south. Also known as the Cabrillo Highway, SR 1 was constructed as a two-lane road in the early 1950s and serves as the primary vehicular access route along the coastside. In the project area, SR 1 is a traversable highway with one lane in each direction and the posted speed limit is 50 miles per hour (mph) within the project limits.

SR 1 within the project limits is primarily a semi-rural two-lane traversable highway, with left-turn lanes at all cross streets and an 8-foot-wide shoulder from Marine Boulevard to 16th Street. It serves as the primary access road to the unincorporated community of Moss Beach, parks, and businesses; and provides access to the coast, including popular trail destinations. This road is used for daily commutes to and from local businesses and private residences and is also used by out-of-town visitors, particularly on weekends.

There are no existing formal bicycle facilities, nor are there dedicated bus lanes along this stretch of SR 1. The pedestrian network consists of segments of sidewalks along local roads, with limited crosswalks. Currently, the only marked crosswalk on SR 1 within the project limits is at

the intersection of SR 1 and Virginia Avenue. There are practically no sidewalks servicing the adjacent local businesses along SR 1.

## **2.2 Project Development History**

For the last 10 years, the County of San Mateo (County) has engaged in transportation planning on the San Mateo county coast (Coastside) along SR 1 to identify context-sensitive transportation improvements that meet the unique and complex needs of the corridor. Several relevant studies, plans, and policies have been developed that cover locations in the Moss Beach area. As an example of these studies' relevance to the project, Connect the Coastside: The San Mateo County Midcoast Comprehensive Transportation Management Plan (Connect the Coastside or plan) provides significant background to the project need. The plan illustrates how the lack of infrastructure in the Coastside leads to safety concerns for pedestrian and bicyclist crossings of SR 1, deficient pedestrian and bicycle facilities along the corridor, conflicting vehicular movements at minor intersections with SR 1, and congestion and delay at key intersections.

In 2015, SMCTA, in collaboration with the County, conducted a preliminary planning study (PPS) to address the congestion and safety concerns for motorists, bicyclists, and pedestrians along a 7-mile-stretch of SR 1 in the county, from Devil's Slide south to Mirada Road in Miramar. The projects covered by the PPS, including the proposed project, are in unincorporated San Mateo County in the Midcoast area.

The County Board of Supervisors adopted Connect the Coastside in July 2022. The plan included a review of existing technical reports and studies related to existing and projected land use and development; transportation performance measures and existing and projected transportation conditions with recommended standards; and infrastructure and service improvements along SR 1 and within Moss Beach.

## **3. PURPOSE AND NEED**

### **3.1 Purpose**

The purpose of this project is to improve multi-modal operations and safety along the project segment of SR 1 in each direction with the following objectives:

- improve operations and safety for all users at key intersections;
- improve pedestrian and bicycle facilities;
- encourage environmentally friendly transportation options that reduce car trips, such as walking, biking, and public transit; and
- improve vehicular traffic and multimodal connections to coastal resources for both residents and visitors.

### **3.2 Need**

SR 1 in Moss Beach is a heavily traveled State highway with a posted speed limit of 50 mph. Several smaller roadways intersect with SR 1, serving local residents and providing access to housing, shopping, dining, beaches, other recreational facilities, and government services present on both sides of SR 1. Vehicles traveling at high rates of speed present challenging conditions

for residents and visitors alike, and specifically to cross SR 1 to access goods, services, and recreational areas. Currently, there is just one marked crosswalk on SR 1 within the project limits, and there are no dedicated bikeways. The current pedestrian and bicycle conditions make it challenging for people to walk and bike safely.

Deficient pedestrian and bicycle facilities along the corridor, conflicting vehicular movements at minor intersections with SR 1, and congestion and delay at key intersections lead to safety concerns for all roadway users, and especially for pedestrians and bicyclist crossings of SR 1.

Cypress Avenue provides access to Fitzgerald Marine Reserve, Moss Beach Distillery, Pillar Point Bluff, and the approved Big Wave Development (which includes housing, office, and industrial land uses). California Avenue provides access to the central Moss Beach shopping district and the Post Office (where all residents and businesses get their mail because door-to-door postal delivery is not provided). Access to the Point Montara Lighthouse and Montara Water and Sanitary District is provided by 16th Street. The intersection of SR 1 and 16th Street is adjacent to the intersection of SR 1 and Carlos Street. There is a gravel path connecting Carlos Street to 16th Street, often used by pedestrians to access SR 1, bus stops, and the community of Montara. The County has received a coastal development permit application for a new 71-unit affordable housing development, Cypress Point, which, if constructed, will be accessed from Carlos Street near SR 1.

### **3.2.1 Vehicular Traffic**

It is difficult for vehicles to enter or cross SR 1 from intersecting streets since traffic on SR 1 does not have to stop and travel at high rates of speed. There are no four-way stop-controlled intersections within the Project limits and the nearest signal-controlled intersections are 1.9 miles south (at SR 1/Capistrano Road) and 2.6 miles north (just before the Devil's Slide tunnel entrance). Vehicles on intersecting streets typically wait for up to approximately 2 minutes to enter or cross SR 1 during the peak hours. This leads to long queues on intersecting streets and contributes to most crashes from vehicles entering SR 1 when they do not have the right of way.

### **3.2.2 Transit**

The San Mateo Transit District is the administrative body for the principal public transit and transportation programs in San Mateo County, including SamTrans bus service to the Coastsides. SamTrans Route 117 connects Pacifica with Half Moon Bay, with bus stops along SR 1 and on intersecting streets in the project area. There is a bus stop on Cypress Avenue 100 feet southwest of SR 1, and another on southbound SR 1 about 100 feet south of 16th Street. The buses have unpredictable travel times, in part due to the difficulty of turning left from Cypress Avenue onto SR 1 and the other difficulties described above.

### **3.2.3 Pedestrians and Bicyclists**

Pedestrians and bicyclists have difficulty safely crossing SR 1. There is only one marked pedestrian crossing within the project limits at Virginia Avenue, and it is at an uncontrolled intersection (meaning there are no stop signs or signals that would stop traffic for pedestrians or bicyclists to cross). SR 1 has no designated bicycle or pedestrian facilities, and there are no parallel paths to support bicyclists or pedestrians in or near the project limits.

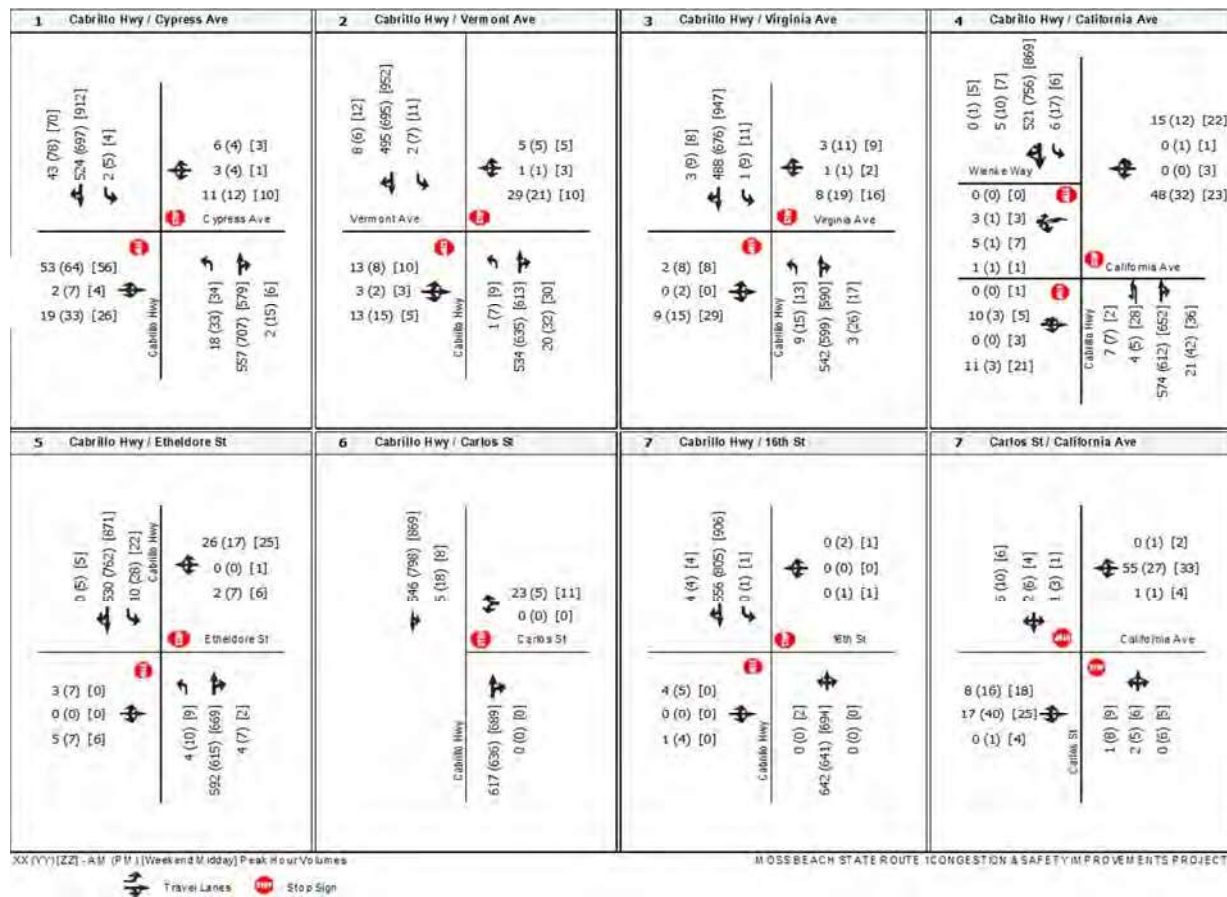
## 4. TRAFFIC ENGINEERING PERFORMANCE ASSESSMENT

A traffic engineering performance assessment (TEPA) has been prepared using traffic data and information available in the public domain to evaluate existing conditions and identify the potential benefits and deficiencies of the proposed project. The TEPA provides a technical foundation for developing a preliminary purpose and need for the project and for identifying the scope and magnitude of the more detailed traffic studies to be conducted as part of the PA&ED phase. The following sections summarize the findings of the TEPA. The draft TEPA is included in Attachment D.

### 4.1 Traffic Operations

Available existing vehicular count data are summarized in Figure 4-1 to clarify the operating conditions in the project area. It is observed from count volumes that weekend volumes are high compared to weekday AM/PM volumes. Also, no northbound/southbound SR 1 directional dominance is observed during the peak hours; both directions carry similar volumes. The heavy and high-speed traffic along SR 1 creates few gaps for conflicting movements to maneuver through the intersections. The SR 1 average daily traffic is approximately 17,000, with 7.6 percent trucks, according to 2017 Caltrans Census counts.

**Figure 4-1 Available Existing Count Data**



Notes:

1 Available data from various sources were used to understand the existing traffic volumes at the study intersections. It is observed that 2019 counts were less when compared to 2017 counts; accordingly, 2017 counts were used for the purposes of this project at all the project intersections—except at Cabrillo Highway/Vermont Avenue and Cabrillo Highway/Virginia Avenue, where 2014 counts were used. Weekday AM Peak Hour – 7:45 AM – 8:45 AM; Weekday PM Peak Hour – 4:45 PM – 5:45 PM; Weekend Midday Peak Hour – 11:55 AM – 12:55 PM is shown for all study intersections except at Cabrillo Highway/Cypress Avenue (11:30 AM – 12:30 PM is shown for this). For Cabrillo Highway/Vermont Avenue, and Cabrillo Highway/Virginia Avenue, weekend Midday Peak Hour, the volumes are taken from Synchro outputs from Connect the Coastside.

The growth in traffic volumes is expected to exacerbate current queuing and congestion in the project area. Improvements proposed in the project area could improve operating conditions.

A traffic operations analysis to evaluate the future intersection operating conditions and effects of the proposed project improvements on SR 1 intersections will be developed during the PA&ED phase.

## **4.2 Project Approval and Environmental Document Traffic Analysis Scope**

The recommended scope of work presented in the following sections represents an initial scoping of the traffic studies for the PA&ED phase of the project. It should be refined at the start of the PA&ED phase with input from the Project Development Team.

### **4.2.1 Traffic Operations Analysis Study Area**

The project study limits for traffic operations analysis will include the following intersections:

- Cabrillo Highway/Marine Boulevard
- Cabrillo Highway/Cypress Avenue
- Cabrillo Highway/Lancaster Boulevard
- Cabrillo Highway/Terrace Avenue
- Cabrillo Highway/Vermont Avenue
- Cabrillo Highway/Virginia Avenue
- Cabrillo Highway/California Avenue – Wienke Way
- Cabrillo Highway/Etheldore Street – Vallemar Street
- Cabrillo Highway/Carlos Street
- Cabrillo Highway/16th Street
- California Ave/Carlos Street
- Vermont Avenue/Carlos Street
- Virginia Avenue/Carlos Street
- Etheldore/Carlos Street
- Cypress Avenue/Oak Avenue
- Marine Boulevard/Oak Avenue

Additional intersections if required will be included in the analysis based on the discussions with the project team. These intersections will be evaluated for the weekday AM, weekend Midday, and weekday PM peak hours. Analysis would be performed to fully capture the benefits and other effects of all the proposed project improvements.

These intersections will be evaluated using VISSIM or Synchro/Simtraffic microsimulation analysis software.

#### **4.2.2 Data Collection**

Due to COVID-19 pandemic conditions and changing travel patterns, it has been challenging to obtain “typical conditions” data. However, new counts will be collected and compared with the available pre-COVID data. The summary data will be submitted to Caltrans for review and approval to use for analysis. The most conservative data will be used. Data adjustments, as required to calibrate to current conditions, will be performed in coordination with Caltrans, SMCTA, City/County Association of Governments of San Mateo County (C/CAG), and the County. Field observations will be made during the peak hours to observe the queues and operating conditions; Google traffic, previous studies, and input from Caltrans/local agencies will also be used for this purpose.

#### **4.2.3 Existing Conditions Analysis**

An Existing Conditions Report outlining the traffic data collected as part of the PA&ED process will be completed. This report will ultimately be incorporated into the Traffic Operations Analysis Report for the project. The microsimulation models will be calibrated and validated to existing conditions. Measures of effectiveness (MOEs), such as traffic flows, speeds, level of service, queueing, and travel time will be summarized. A draft version of the report will be submitted to Caltrans for review and comment. A final version of the report will be prepared after addressing Caltrans’s comments, which will then be submitted for final approval.

#### **4.2.4 Traffic Forecasts**

The latest version of the C/CAG’s regional travel demand model will be used to develop traffic forecasts. The base year model will be reviewed to determine how well it replicates existing conditions demand volumes. Calibration adjustments for the base year model may be made to improve the validation of the base year model (versus existing conditions demand volumes). A base year model validation memorandum will be prepared and submitted for Caltrans review, comment, and approval before developing future year forecasts.

Available Association of Bay Area Governments/Plan Bay Area land use projections extend to the year 2050. The data will be used to prepare future year forecasts for Opening Year and Design Year of the project. A future year forecasting memorandum will be prepared and submitted for Caltrans review, comment, and approval.

#### **4.2.5 Operations Analysis**

The microsimulation models will be updated to reflect the expected future conditions, including the forecasted future traffic volumes and any capital improvements anticipated to occur. The models will be used to determine the same MOEs as existing conditions for both the no build and build alternatives.

A qualitative assessment of pedestrian, bicycle, and transit facilities will be performed to determine whether the proposed build alternatives would hinder or eliminate existing or proposed bikeways, result in unsafe conditions for bicyclists or pedestrians, or cause a substantial delay in transit service.

#### 4.2.6 TEPA Summary and Conclusion

The following paragraphs summarize the deficiencies identified in the TEPA.

- The stop-controlled approaches experience lengthy delays due to the free-flowing nature of SR 1. It is difficult for drivers, especially left-turning vehicles, to enter SR 1 because the high volumes and high speeds on the highway do not provide sufficient gaps for safe entry.
- Throughout Moss Beach, there are closely spaced intersections with shops, restaurants, parks, residential roads, and driveways on, or adjacent to, SR 1. Motorists traveling in both directions along SR 1 enter Moss Beach at high speeds (50 mph is the posted speed limit). High motorist speeds pose a challenge for vehicles accessing the highway from side streets and driveways, and for pedestrians and bicyclists throughout Moss Beach. No traffic-calming features alert drivers to the changing land use. Though no designated on-street parking stalls were observed, on-street parking was observed at all the cross streets in front of residences along SR 1.
- No designated pedestrian crossings for those crossing the highway except at Virginia Avenue within the vicinity of the project. Virginia Avenue is an uncontrolled intersection and is unsafe to use due to the high speeds of vehicles on SR 1. However, pedestrians cross the highway at several locations:
  - At Cypress Avenue, visitors and residents cross the highway to access the Seal Cove neighborhood, the Pillar Ridge Manufactured Home Community, Pillar Point Bluffs, beach/coast, and Fitzgerald Marine Reserve on the western side. Also, the users of the bus stop on Cypress Avenue west of SR 1 need to cross the highway to access the neighborhoods on the eastern side of SR 1.
  - Similarly, at Virginia and California Avenues, pedestrians cross SR 1 to access the Fitzgerald Marine Reserve, and shops and restaurants on both sides of SR 1; and Moss Beach Park, which is on the eastern side of SR 1.
- At 16th Street, residential neighborhoods are east of SR 1. An unpaved and informal path that runs parallel to the highway northbound lane is the only way bicyclists and pedestrians can connect between Montara and Moss Beach. The elementary school is in Montara, and the only way for Moss Beach students to walk to school is to use this path. On the western side of the highway, there is an existing bus stop just south of the intersection of SR 1 and 16th Street. The Montara Water and Sanitary District and the Montara Lighthouse Hostel are on the western side of SR 1 at 16th Street. Transit users cross the highway to access the residential neighborhood; there is no marked crossing to access the bus stop on SR 1 south of 16th Street.
- There are no existing designated bicycle facilities in the project area. Cyclists predominantly travel along SR 1.
- Failure to yield is the primary crash factor for all the crashes evaluated, and all crashes are broadside. This indicates that the primary issue along SR 1 in the project area is that



continuous high-speed traffic along SR 1 does not provide gaps for side street traffic to safely enter the highway.

## 5. DEFICIENCIES

### 5.1 Pedestrian and Bicycle Facility Deficiencies

Pedestrian and bicycle access on SR 1, and SR 1's connections with cross streets, are inadequate for the surrounding land uses and planned future developments. There are currently no designated pedestrian access routes to and from high-volume pedestrian land uses such as beach access points and/or trails. There is only one marked pedestrian crossing within the project limits, and it is at an uncontrolled intersection (meaning there are no stop signs or signals that would stop traffic for pedestrians to cross). Pedestrians walk along unpaved shoulders or in the roadway, which exposes vulnerable users to high vehicular speeds along SR 1. Bicycle transportation is also not supported at key intersections such as Cypress Avenue, California Avenue, and 16th Street, due to the absence of designated bikeway along SR 1. Bicyclists currently use the shoulder to travel along SR 1 because it is used as an intercommunity route along the coast. Cyclists face safety concerns similar to those of pedestrians, due to the high rate of vehicle speeds on SR 1.

Connect the Coastside identifies the project area in Moss Beach as a location with a high need for pedestrian and bicyclist transportation improvements. Proposed bicycle facilities in the Plan include a Class II bicycle lane on SR 1 within the project limits and a multiuse Class I path from Marine Boulevard to Etheldore Street. Other pedestrian improvements include sidewalks along the west side of SR 1 from Marine Boulevard to California Avenue to access highway-fronting residences and local businesses, with high-visibility crosswalks, flashing beacons, and signage. Improved bus stops are also recommended to improve mobility and connectivity.

### 5.2 Crash Data

Crash data for a 5-year period (between January 1, 2018, and December 31, 2022) from the Caltrans Traffic Accident Surveillance and Analysis System (TASAS) is provided below for SR 1 within the project study limits. **Table 5-1** shows the accident data summary.

It is observed from the data that the SR 1 total rate of fatal and injury related crashes is above the average for similar facilities statewide.

**Table 5-1 TASAS Table B Crash Rates (January 1, 2018 – December 31, 2022)**

Segment	No. of Crashes				ACTUAL Rates (per million vehicle miles)			AVERAGE Rates (per million vehicle miles)		
	TOT	FAT	INJ	PDO	Fatal Crash	Fatal+ Injury Crash	Total (1)	Fatal Crash	Fatal+ Injury Crash	Total (1)
SM-1-PM 35.00-35.90	30	1	11	18	0.039	0.46	1.16	0.015	0.39	0.96

Notes:

PDO = property damage only

PM = post mile

TASAS = Traffic Accident Surveillance and Analysis System

(1) All reported crashes (includes Property Damage Only (PDO) crashes)

Detailed analysis of the above-listed data shows that the primary crash factors in the segment were:

- 4 (13.3 percent) Influence Alcohol
- 12 (40.0 percent) Failure to Yield
- 8 (26.7 percent) Improper Turn
- 3 (10.0 percent) Speeding
- 3 (10.0 percent) Other Violations

The following types of crashes were included:

- 4 (13.3 percent) Head-On
- 3 (10.0 percent) Sideswipe
- 4 (13.3 percent) Rear End
- 12 (40.0 percent) Broadside
- 7 (23.4 percent) Hit Object

There are 18 “Property Damage Only” crashes reported, and one “Fatal” crash happened within the study segment along SR 1. “Failure to Yield” is the leading primary crash factor for most of the crashes and resulted in mainly “Broadside” crashes which indicate the primary issue along the study area – which is, continuous high-speed traffic along SR 1 not providing gaps for side street traffic.

Based on the 5 Year Period Crash Data, Not all "Failure to Yield" resulted in "Broadside" crashes. There was 1 "Improper Turn" that resulted in a "Broadside" crash.

The proposed project is anticipated to improve safety conditions by introducing controlled intersections, which would provide opportunities for turning traffic to effectively maneuver through the project intersections; and proposed Class II bicycle lanes within the project limits, which would benefit the bicycle users by reducing the conflicts with the vehicular traffic. Overall, improvements proposed in the project area would help improve safety for all modes of transportation.

## **6. CORRIDOR AND SYSTEM COORDINATION**

### **6.1 Identify Systems**

SR 1 is a major north-south corridor that runs 656 miles along California’s Pacific Ocean coast. Designated an “All-American” scenic road by the FHWA for its cultural, recreational, and scenic qualities, SR 1 is the longest State Route in California, extending through 12 counties. It begins at Interstate 5 near Dana Point in Orange County and terminates at the junction with U.S. Highway 101 in Mendocino County. Besides providing a scenic route to numerous attractions along the coast, the route serves as a major thoroughfare in the San Francisco Bay Area in the populated cities and towns near San Francisco.

In Caltrans District 4, SR 1 runs from the San Mateo/Santa Cruz County line in the south through San Mateo, San Francisco, Marin, and Sonoma Counties, terminating at the Sonoma/Mendocino County line. It is further divided at the Golden Gate Bridge as “SR 1 North” and “SR 1 South.” San Mateo and San Francisco Counties fall within SR 1 South.

The SR 1 corridor through San Mateo and San Francisco Counties is a scenic coastal route, linking the communities of Pescadero, Half Moon Bay, El Granada, Moss Beach, Montara, Pacifica, Daly City, and San Francisco.

SR 1 in the vicinity is a two-lane highway running north-south. SR 1 provides the only access to Moss Beach, connecting it to destinations in the north such as San Francisco and to destinations to the south such as Half Moon Bay. Conditions vary from rural, undeveloped surroundings, where traffic movement is typically free, to more urbanized settings in the central community areas, with cross traffic, parking, driveway access, and periods of congestion during school and work commute times. There are periods of gridlock on weekends with clear weather and during annual events at Half Moon Bay Airport, Pillar Point Harbor and the City of Half Moon Bay. The project study area is from south of Marine Boulevard to north of 16th Street along SR 1; SR 1 has two-lanes with left-turn pockets at the intersections. Posted speed limit on SR 1 is 50 miles per hour (MPH) within the Moss Beach area. It is not a disadvantaged or underserved community, but does have portions with lower incomes than the county as a whole.

Both Caltrans and San Mateo County have conducted several projects in the corridor in recent years. Each project has included robust public outreach. Examples include the Connect-the-Coastside Plan, the Manor Drive Overcrossing Improvement Project, and the Gray Whale Cove State Beach Pedestrian Improvement Project. The proposed project was included in the Connect-the-Coastside Plan which included online surveys, virtual community meetings and multilingual websites. This project will continue the robust public outreach with stakeholder meetings, briefings to the Mid-Coast Community Council, a public meeting during PID and a multilingual project website.

Recreational bicycling is popular along the conventional highway portion of SR 1, with the San Mateo County Comprehensive Bicycle and Pedestrian Plan identifying this corridor as the “Pacific Coast Bikeway.” SamTrans offers limited bus service on SR 1 from Pescadero and Half Moon Bay northward to connect with transit services near San Francisco.

## **6.2 Federal and State Planning**

SR 1 South is designated as a Moving Ahead for Progress in the 21st Century Act Principal Arterial on the National Highway System. SR 1 is also a part of the California Freeway and Expressway System and is identified as one of the 92 statutory Interregional Road System routes. SR 1 has low levels of truck travel for goods movement; it primarily serves the local populations along its hilly terrain. SR 1 south is a designated Surface Transportation Assistance Act Terminal Access Route, allowing truck travel with few limitations except for the Tom Lantos Tunnels, where no explosives, flammables, or combustibles are allowed. SR 1

between PM 16.7 in San Luis Obispo county and PM 1.9 in San Francisco county, through the project limits, is listed as eligible for State Scenic Highway status.

Caltrans District 4 has completed the District System Management Plan Project List, transportation concept report (TCR), and transportation system development plan (TSDP). The TSDP recommends a comprehensive package of improvements, strategies, and actions for the corridor. The project is consistent with all state planning documents. The TCR for SR 1 south was completed in April 2018. The 25-year concept for SR 1 was broken down into various segments. To maintain this concept, Caltrans may want to implement new Traffic Operation System elements, close gaps in the parallel and intersection corridor bicycle network, and monitor and plan for sea-level rise.

### **6.3 Regional Planning**

The Metropolitan Transportation Commission (MTC) is the state-designated Regional Transportation Planning Agency and the federally designated Metropolitan Planning Organization for the San Francisco Bay Area. MTC is responsible for the regional transportation plan (RTP), a long-range (though financially constrained) planning report for the region. Under Senate Bill (SB) 375, along with an updated RTP, each region in California is mandated to develop a sustainable communities strategy (SCS) that promotes compact, mixed-use commercial and residential development that is walkable, bikeable, and close to mass transit, jobs, schools, shopping, parks, recreation, and other amenities to help achieve the greenhouse gas emission reduction target outlined in SB 32.

In partnership with the Regional Planning Agency Association of Bay Area Governments, MTC developed *Plan Bay Area 2050*, approved in October 2021. *Plan Bay Area 2050* serves as the San Francisco Bay Area's RTP and SCS and is the latest strategic update to *Plan Bay Area 2040* from 2017. *Plan Bay Area 2050* consists of 35 strategies focused on improving housing, economic growth, transportation, and the environment for the Bay Area's nine counties. These strategies serve as a blueprint to inform the nine counties of the Bay Area to plan and create a more resilient and equitable region over the next 30 years and beyond. Each strategy is a public policy or investment to be implemented collaboratively at the city, county, regional, or state level with equity as the priority for execution.

This project is included in *Plan Bay Area 2050* as RTP identification number 21-T07-056. The project is also in the 2023 Transportation Improvement Program (TIP), which was adopted by the MTC on September 28, 2022 (TIP ID SM-170001). The FHWA and Federal Transit Administration approved the 2023 TIP on December 16, 2022.

## **6.4 Local Planning**

C/CAG is the County’s Congestion Management Agency and is responsible for the coordination, planning, and programming of transportation, land use, and air-quality-related programs and projects. In 2021, C/CAG released the most recent San Mateo County Congestion Management Program (CMP), which identifies the county’s congestion relief plan. The CMP includes elements that are intended to be a comprehensive package of policies and actions that together will make a measurable impact on current congestion and slow the pace of future congestion.

SMCTA was formed in 1988 as part of a voter-approved measure (Measure A) for a half-cent sales tax for countywide transportation projects and programs. The original Measure A expired on December 31, 2008. In 2004, county voters overwhelmingly approved a reauthorization of Measure A through 2033. In 2018, county voters approved Measure W, which provided the county with additional resources to improve transit and relieve traffic congestion. SMCTA’s role is to administer the proceeds from Measure A and half of the proceeds from Measure W to fund a broad spectrum of transportation-related projects and programs.

The proposed project was included in the Connect the Coastside community-based transportation plan and before that in the Highway 1 Safety and Mobility Improvement Study: Phase 2. It is generally consistent with the San Mateo County General Plan and San Mateo County’s Local Coastal Program.

## **6.5 Future Projects**

### **6.5.1 State Highway Operation and Protection Program**

The State Highway Operation and Protection Program is the state’s “fix-it-first” program; it funds the repair and preservation of the State Highway System, safety improvements, and some highway operational improvements. The projects listed in Table 6-1 are in the project vicinity.

### **6.5.2 Other Projects**

The other projects in the project vicinity are listed in Table 6-2.

### **6.5.3 State Transportation Improvement Program**

The California State Transportation Improvement Program (STIP) is the biennial 5-year plan adopted by the California Transportation Commission for future allocations of certain state transportation funds for state highway improvements, intercity rail, and regional highway and transit improvements. There are no STIP projects in the vicinity of the project.

**Table 6-1 SHOPP Projects in the Vicinity of Project Location**

<b>County Route</b>	<b>EA</b>	<b>Post Miles</b>	<b>Project Name</b>	<b>Legal Description</b>	<b>Work Description</b>	<b>Current Phase</b>	<b>Program</b>
SM 1	2K880	26.4/R47.3	State Route 1 Traffic Operational Systems Improvements Project	In San Mateo County on Route 1 at Various Locations	Install travel time elements along SM-1	1_POSTRTL	SHOPP 2023
SM 1	0Q610	36.4/38.3	SM-1 Safety Barrier	In San Mateo County on Route 1 from 0.09 mile South of 2nd Street to 0.38 mile south of Gray Whale Cove parking.	Install safety barrier	1_PSE	SHOPP 2024
SM 1	0Q670	36.2/36.2	Storm Drainage Permanent Restoration	In San Mateo County on Route 1 from 9th Street and 11th Street in the City of Montara.	Storm drainage restoration	3_CONS	SHOPP 2023
SM 1	0Q130	27.5/34.8	State Route 1 Multi-Asset Roadway Rehabilitation Project	On Route 1 from Wavecrest Road to 0.1 Mile North of Capistrano Road, PM 27.5/34.8, in and near the City of Half Moon Bay, in San Mateo County	Rehabilitate pavement and other roadway infrastructures	1_PSE	SHOPP 2024

## Notes:

EA = expenditure authorization

PM = post mile

SHOPP = State Highway Operation and Protection Program

Source: PRSM report, January 3, 2023

**Table 6-2 Other Projects in the Vicinity of Project Location**

<b>County Route</b>	<b>EA</b>	<b>Post Miles</b>	<b>Legal Description</b>	<b>Work Description</b>	<b>Current Phase</b>	<b>Program</b>
SM 1	4H710	29. 1/29.6	In San Mateo County, in the City of Half Moon Bay, on Route 1 from Main Street to Kehoe Avenue	Highway 1 traffic reduction and safety improvements, and traffic signal	1_PSE	Other Local Unknown
SM 1	4H720	27.5/28	In San Mateo County, in the City of Half Moon Bay, on Route 1 from Wavecrest Road to Poplar Street	Highway 1 traffic reduction and safety improvements	1_PSE	Other Local Unknown
SM 1	4K040	31.6/31.6	In the City of Half Moon Bay Between Mirada Road and Coronado Street, at the Intersection of Coronado Street with Route 1	Enhance local pedestrian and bicycle access as envisioned in the County’s Highway 1 Safety and Mobility Improvement Study	1_POSTRTL	Other Local 2022
SM 1	1AC40	30.9/31.2	In San Mateo County, along Route 1, in the City of Half Moon Bay from Roosevelt Boulevard to Mirada Road	The City of Half Moon Bay is requesting that Phases 0 and 1 for EA 1AC40 be opened for the environmental report and design of the Pacific Coast Pedestrian and Bicycle Trail Extension. This project will close the gap between the existing Naomi Patridge	1_PSE	Other Local 2024
SM 1	1Y960	29.034/ R46.716	In San Mateo County on Highway 1 in the Following Post-Mile Ranges 29.034 and R46.716 to R48.05	Install broadband conduit and fiber optic as part of the broadband middle mile network	1_PSE	Other Local 2025

Note:  
EA = expenditure authorization

## 7. ALTERNATIVES

Two build alternatives and a no build alternative are being evaluated to determine their ability to satisfy the project's purpose and need.

### 7.1 No Build Alternative

Under the no build alternative, the existing facility would remain as is. No improvements would be made at any of the proposed intersections within the project limits. No crosswalk, multiuse path, or bicycle lane improvements would be made.

### 7.2 Build Alternatives

Two build alternatives with design variations are under consideration.

- Build Alternative 1 (Option A) proposes a roundabout on SR 1 at Cypress Avenue, a roundabout on SR 1 at California Avenue, and a signalized intersection on SR 1 at 16th Street with a raised concrete median between Cypress Avenue and California Avenue. Build Alternative 1 (Option B) is similar to Build Alternative 1 (Option A), but without a raised concrete median.
- Build Alternative 2 proposes signalized intersections at SR 1 and Cypress Avenue, SR 1 and California Avenue, and SR 1 and 16th Street, with design variation at 16th Street. Two design variations at 16th Street and SR 1 are also under consideration for Alternative 1 (Option A and Option B). Build Alternative 1 (Option A and Option B) design variation at 16th Street would shift the signalized intersection south of 16th Street, as shown in Build Alternative 2, and would connect 16th Street to Carlos Street.

#### 7.2.1 Build Alternative 1 – Roundabouts at Cypress and California Avenue and Signal at 16th Street; Option A – Raised Median

Build Alternative 1 (Option A) proposes a roundabout on SR 1 at Cypress Avenue, a roundabout on SR 1 at California Avenue, and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. These would be either single-lane or two-lane roundabouts. Approaching speed would be reduced to 25 mph in both the northbound and southbound direction and between roundabouts to allow drivers to safely maneuver through each roundabout. Approaching speed would also be reduced in the southbound direction to 35 mph as drivers approach 16<sup>th</sup> street. The existing median left-turn lane between Cyprus Avenue and Wienke Way would be removed and replaced with a variable-width raised median to reduce vehicle speeds and increase safety along SR 1 between Cypress Avenue and California Avenue. Wienke Way would be realigned to intersect SR 1 at a 90-degree angle.

The conceptual plan for Alternative 1 (Option A) included in Attachment B shows a single lane-roundabout on SR 1 at Cypress Avenue, a single-lane roundabout on SR 1 at California Avenue, and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. The three intersections would be reconstructed with new pavement and would be widened beyond the existing pavement. Existing SR 1 would be overlaid with new hot mix asphalt (HMA) and restriped within the project limits. Both single lane roundabouts would consist of an inscribed circle diameter of 110 feet; an 18-foot-wide circulatory roadway; and a 16-foot-wide truck apron



with 10-foot-wide proposed sidewalks on all four quadrants of the intersection, as shown. New 6-foot-wide Buffered Class II bicycle lane would be added to both sides of SR 1 from south of Marine Boulevard to 14th Street. A new 10-foot-wide sidewalk, curb, and gutter would be added to the western side of SR 1, from Marine Boulevard to Vallemar Street, and a new 12-foot-wide multimodal trail would be added to the eastern side of SR 1 from south of Marine Boulevard to Etheldore Street. New landscaping would be provided between the multimodal trail and SR 1 at spot locations in the project area. SamTrans bus Routes 18 and 117 will be rerouted to cross SR 1 at the new SR 1/Cypress Avenue roundabout or signalized intersection and connect to Marine Boulevard via Etheldore Street or Pearl Avenue. A new sidewalk would be installed along the northern side of Cypress Avenue from SR 1 to approximately 360 feet west of SR 1, with upgraded bus stops. Oak Avenue will be repaved and extended to intersect with Cypress Avenue. A new bus stop and sidewalk would also be installed at the intersection of 16th Street and SR 1. The proposed sidewalk along the eastern side of SR 1 would be installed approximately 280 feet south of 16th Street to 14th Street, and about 100 feet of sidewalk would be installed along the western side of SR 1. Americans with Disabilities Act-compliant ramps and high-visibility crosswalks across SR 1 would be installed at Cypress Avenue, California Avenue, Vermont Avenue, Etheldore Street, and 16th Street, as well as at adjacent local streets. Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

### **7.2.2 Build Alternative 1 – Roundabouts at Cypress and California Avenues and Signal at 16th Street; Option B – No Raised Median**

Build Alternative 1 (Option B) includes all proposed improvements under Build Alternative 1 (Option A), with the exception of the raised concrete median. A dedicated left-turn lane along the median would be restriped and remain in place between Cypress Avenue and Etheldore Street.

The conceptual plan for Build Alternative 1 (Option B) included in Attachment B shows a roundabout on SR 1 at Cypress Avenue; roundabout on SR 1 at California Avenue; and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. The design variation at 16th Street consists of shifting the intersection south approximately 150 feet and connecting with Carlos Street. Under this design variation, 16th Street would need to be realigned to connect with Carlos Street, as shown. All improvements proposed at 16th Street under Alternative 1 would be the same under the design variation. Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

### **7.2.3 Build Alternative 2 – Signalized Intersection (Single-Lane Cypress Avenue/California Avenue/16th Street)**

Build Alternative 2 proposes signalized intersections at SR 1 and Cypress Avenue, SR 1 and California Avenue, and SR 1 and 16th Street. All SR 1 side street intersections between Cypress Avenue and California Avenue would be modified to replace the existing dedicated left-turn lanes along the median with a two-way left-turn lane and right-turn-only lanes. Additional through lanes on SR 1 at the proposed signalized intersections would be considered with this Alternative. All proposed improvements under Build Alternative 1, such as Class II bicycle lanes, sidewalks, street lighting, multimodal path, landscaping, bus stops, and high-visibility crosswalks would also be

constructed under Build Alternative 2; and 16th Street east of SR 1 would be realigned to connect with Carlos Street, as shown. The design variation at 16th Street consists of shifting the intersection north to avoid realigning 16th Street, as shown in Build Alternative 1.

All three intersections would be reconfigured and reconstructed with new pavement to accommodate new signals. Existing SR 1 would be overlaid with HMA and restriped. Raised median is proposed at spot locations. Bicycle and pedestrian improvements under Build Alternative 2 are the same as under Build Alternative 1 Options A and B. Wienke Way would be realigned to intersect SR 1 at a 90-degree angle.

Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes similar to Build Alternative 1. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

#### 7.2.4 Design Standards

A Design Standards Risk Assessment has been prepared for the PID phase and is provided in Table 7-1 and Attachment B. The table lists the proposed nonstandard design features for all build alternatives, along with the probability of approval for each proposed deviation to a design standard. The Design Standards Risk Assessment has been reviewed and concurred by Solomon Tesfe on November 30, 2023. Once a preferred alternative is selected in the PA&ED phase, a Design Standard Decision Document will be prepared to document design decisions and justifications for all proposed nonstandard features.

**Table 7-1 Design Standards Risk Assessment – Build Alternatives 1 and 2**

Nonstandard Feature No.	Highway Design Manual Index	Location	Design Standard	Probability of Design Deviation Approval (None, Low, Medium, High)	Justification for Probability Rating
U1	405.1	SR 1/Etheldore Street	Corner Sight Distance	Medium	Standard corner sight distance would require regrading of embankment next to northbound SR 1 and/or extensive retaining wall installation in order to avoid shifting of Carlos Street frontage road. Corner sight distance at this location will further be evaluated once survey becomes available in the next phases.
U2	304.1	Various locations	Side Slopes	Medium	Standard 4:1 slopes would require realignment of Carlos Street and additional right of way as well as impact to creeks and ESA's.

Note:

SR = State Route

#### 7.2.5 Lighting and Aesthetics

The project would add street lighting along SR 1 and at the intersections of Cypress Avenue, California Avenue, and 16th Street. Aesthetic treatments of the retaining walls, landscaping, hardscaping, and upgraded lighting will be developed in coordination with the City and Caltrans.

## 7.2.6 Water Quality

The project is in the jurisdiction of the San Francisco Bay (Region 2) Regional Water Quality Control Board (RWQCB). Proposed improvements are within the Caltrans right of way and unincorporated San Mateo County. Stormwater National Pollutant Discharge Elimination System (NPDES) requirements in Caltrans' right of way are regulated by the Statewide Stormwater Permit Order 2022-0033-DWQ. Stormwater NPDES requirements in unincorporated San Mateo County are regulated by the San Francisco Bay Municipal Regional Permit, Order No. R2-2022-0018. The construction general permit (CGP) Order No. 2009-0009-DWQ applies to both jurisdictions for best management practices (BMPs) during construction.

The project crosses three streams: San Vicente Creek, Dean Creek, and Montara Creek. These streams outfall to the James Fitzgerald Marine Reserve, which is an area of special biological significance (ASBS) along the Pacific coast, adjacent to SR 1 from PM 33.8 to PM 36.3. ASBSs are areas sensitive to both environmental impacts and aesthetic impacts. Discharges to these areas are prohibited, and any new discharges caused by this project would require coordination with the environmental document during the PA&ED. Coordination with the RWQCB and the California Coastal Commission would also be necessary.

San Vicente Creek is listed as an impaired water body on the Clean Water Act 303(d) list of impaired waters, according to the RWQCB. The impairment is identified as coliform bacteria from an unknown source. This pollutant will be considered when selecting stormwater pollution prevention BMPs. BMP design and selection will also be coordinated with the environmental document.

Build options for the proposed project will require both temporary construction BMPs, and post construction treatment BMPs. A detailed evaluation is provided in the storm water data report (SWDR).

### 7.2.6.1 *Statewide Stormwater Permit*

Stormwater treatment BMPs for post-construction treatment areas (PCTAs) are required for highway facility projects that create 10,000 square feet or more of new impervious surface, according to Section C3.10.2 of the Caltrans NPDES Permit, Order 2022-0033-DWQ. The total combined new impervious surface for each of the two alternatives exceeds 10,000 square feet and would require design pollution prevention BMPs to treat PCTAs. Alternative 1 (Option A) would be required to treat 1.42 acres of impervious surface within Caltrans' right of way, Alternative 1 (Option B) would be required to treat 1.47 acres of impervious surface in Caltrans' right of way, and Alternative 2 would be required to treat 1.04 acres of impervious surface in Caltrans' right of way.

The proposed project is in a low trash-generating area. The San Francisco Bay RWQCB issued an amendment to Cease and Desist Order No. R2-2019-0007. Order No. R2-2021-0030 requires Caltrans to implement structural and nonstructural trash controls to meet full trash capture equivalency in significant trash-generating areas in Caltrans right of way as soon as possible. The amended order further requires Caltrans to conduct visual trash assessments in all low and moderate trash-generating areas by December 31, 2022, to reevaluate and identify additional Significant Trash Generating Areas. The latest trash assessment is not available at this time and may change the status of areas in the project that are currently classified as low. Close coordination with environmental is necessary during the PA&ED phase to determine whether

trash control measures would be necessary for this project based on the latest requirements for trash control compliance and/or resolution to the current cease and desist order.

#### **7.2.6.2 Construction General Permit**

For all proposed build alternatives, the disturbed soil area (DSA) in Caltrans' right of way is greater than 1 acre, which would require the project to be covered under the CGP. The CGP requires a risk-level determination to identify the level of monitoring, sampling, and reporting requirements for discharges from the project. The risk level is determined from a project's sediment and receiving water risk factors.

A risk-level determination for construction activities has been performed, and the project has been designated as risk level 3 project.

The project will include four different types of BMPs: construction site BMPs, design pollution prevention BMPs, permanent treatment BMPs, and maintenance BMPs. A SWDR has been prepared to summarize the proposed measures for the project.

BMPs are implemented to address the temporary water quality impacts resulting from project construction. BMPs will include the measures of soil stabilization, sediment control, wind erosion control, tracking control, nonstormwater management, and waste management/materials pollution control. Appropriate BMPs and their quantities will be developed during the PS&E phase. In addition, certain monitoring and reporting requirements will be established.

#### **7.2.7 Highway Planting**

Existing landscaping and mature trees will be protected to the extent feasible. Temporary high-visibility fencing will be placed around vegetation for protection before roadway work begins.

#### **7.2.8 Replacement Planting**

Where safety and maintenance requirements can be met, replacement highway planting, along with a plant establishment period, will be provided for vegetation that will be removed by the project. Replacement planting and the plant establishment period will be funded with this roadway contract. Replacement planting work will be under construction within 2 years of acceptance of the highway contract that resulted in the damage or removal of existing planting. Planting and irrigation on conventional highways is maintained by local agencies. Removal and replacement will be coordinated with the corresponding local agency.

#### **7.2.9 Erosion Control**

The following design pollution prevention elements for permanent erosion control are considered to be applicable to this project and will be further evaluated during the next phases of design:

- Post-construction treatment BMPs, such as biofiltration strips, bioswales, and/or bioretention areas to decrease runoff and prevent erosion downstream, could be implemented to mitigate downstream effects related to increased flow.
- Slope and surface protection systems, such as plants, mulch, erosion control blankets, could be used to stabilize exposed soil areas.

- Concentrated flow conveyance systems, such as placement of ditches, dikes, berms, or swales, could be used to control concentrated runoff away from embankments susceptible to erosion.
- Steps could be taken to preserve existing vegetation, such as limiting the project area to protect mature vegetation and landscaping where feasible, thus minimizing DSAs and increased risk of erosion.

The SWDR provides a more detailed evaluation of these erosion-control BMPs. The cover page of the SWDR, with signatures of approval, is provided in Attachment I of this project study report-project development support (PSR-PDS).

### **7.2.10 Transportation Management Plan**

During the final design phase, a transportation management plan (TMP) will be prepared, in accordance with Caltrans requirements and guidelines, to minimize the construction-related delays and inconvenience for travelers in the project area. The TMP will address the potential traffic impacts as they relate to staged construction, detours, and other traffic-handling concerns associated with construction of the proposed project. It will include:

- distribution of press releases and other documents as necessary to notify local jurisdictions, agencies, and the public of upcoming road closures and detours;
- coordination with California Highway Patrol (CHP) and local law enforcement on contingency plans; and
- use of portable changeable message signs, CHP Construction Zone Enhanced Enforcement Program, and flaggers to maintain traffic during construction, where possible, to minimize delays.

Access will be maintained for emergency response vehicles.

A TMP data sheet has been prepared for each of the two proposed build alternatives (see Attachment N).

## **7.3 Rejected Alternatives**

During the development of the project, other alternatives and design variations were considered and studied. Each alternative was evaluated for its potential to meet the purpose and need of the project, its cost, and its environmental impacts. A roundabout at SR 1/16th Street was considered but eliminated from further discussion due to high cost, environmental and right of way impacts, and five-legged roundabout design constraints. See attachment T for rejected alternatives memorandum.

## **8. RIGHT OF WAY**

In the vicinity of SR 1, within the project's limits, the majority of project improvements can be constructed in state rights of way with no maintenance easements and minimal right of way fee acquisitions for all build alternatives. The project is anticipated to require temporary construction

easements (TCEs) and permanent easements, and may require utility easements. The locations of potential TCEs are being determined and will be further refined during the PA&ED phase.

Attachment P includes K Phase Conceptual Cost Estimate Form-Right of Way for the project.

## 8.1 Utilities

There are underground and overhead utility/electrical lines, gas, water, communication lines, and sanitary sewer facilities in the project area along or in the local roadways. Where necessary, these utilities would be relocated to accommodate the project, and existing sanitary sewer manholes would be adjusted to grade.

The build alternatives would require the relocation of high- and low-priority utilities. Further utility investigation will be performed to verify the accuracy and completeness of utility data, in accordance with state law, policy, procedure, contracts, and agreements during the final design phase. Table 8-1 summarizes the list of affected utilities for the build alternatives. The need for positive locating (potholing) will be determined once utility facilities have been plotted.

**Table 8-1 Project Area Utilities**

Utility	Owner	Quantity	Unit
<b>Alternative 1</b>			
Electric distribution – 12 kV Pole	PG&E	7	EA
Gas distribution – 2-inch gas	PG&E	700	LF
Communications – OH TV	Comcast	300	LF
Water – unknown size	Montara Water and Sanitary District Company	650	LF
Water – 8-inch water	Montara Water and Sanitary District	640	LF
Sanitary sewer – 6-inch water	Montara Water and Sanitary District	400	LF
Sanitary sewer – 12-inch sewer	Montara Water and Sanitary District	540	LF
Sanitary sewer – 14-inch sewer	Montara Water and Sanitary District	900	LF
<b>Alternative 2</b>			
Electric distribution – 12 kV Pole	PG&E	6	EA
Gas distribution – 2-inch gas	PG&E	1,100	LF
Communications – OH TV	Comcast	700	LF
Water – unknown size	Montara Water and Sanitary District Company	300	LF
Water – 8-inch water	Montara Water and Sanitary District	600	LF
Sanitary sewer – 6-inch water	Montara Water and Sanitary District	980	LF
Sanitary sewer – 12-inch sewer	Montara Water and Sanitary District	540	LF
Sanitary sewer – 14-inch sewer	Montara Water and Sanitary District	500	LF

Notes:

EA = each

kV = kilovolt

LF = linear feet

OH = Overhead

PG&E = Pacific Gas and Electric Company

Alternative 1 would require relocation of seven overhead utility poles to avoid conflicts with the proposed improvements: two utility poles near 16th Street, two near Etheldore Street, two near California Avenue, and one near Lancaster Boulevard. Alternative 2 would also require the relocation of six joint utility poles. Other utilities will be relocated as required. A utility encroachment policy variance is expected to be required to maintain some utilities in their current locations. Where potholing, protection, relocation, or removal of facilities is required, the work will be performed and liability will be determined in accordance with state law, policy, procedure, contracts, and agreements, in accordance with the Caltrans Right of Way Manual. Utilities not approved to remain in place will be relocated.

Utility coordination will be required with area utility providers. Coordination with the owners of utilities that will be impacted by the project will need to be scheduled early in the design phase. Liability for the costs to relocate private utility company facilities will need to be researched, established, and documented in executed utility agreements prepared during the early stages of the final design phase of the project.

## **8.2 Railroad**

There are no railroad facilities within the project limits.

## **8.3 Topographic Mapping**

Topographic base mapping will be developed early in the PA&ED phase. A PSR-PDS Survey Needs Questionnaire has been prepared for the project (see Attachment J).

## **9. STAKEHOLDER INVOLVEMENT**

This project was previously included in Connect the Coastside, which included an extensive stakeholder engagement process. The plan's Appendix A includes a detailed description of feedback received; more information is available on the plan's project webpage at <https://www.smcgov.org/planning/connect-coastside>. During Connect the Coastside's engagement, stakeholders showed a general preference for roundabouts over signals, but questioned whether they would solve concerns. The project team developed a webpage (<https://www.smcgov.org/planning/moss-beach-sr-1>) to clarify the proposed project and keep stakeholders informed on the progress of the PSR-PDS. The project team made a presentation at the Midcoast Community Council, an elected advisory body for the unincorporated Midcoast, on November 30, 2022, to explain the goals of the stand-alone project and describe the process of project delivery.

The project team hosted a community meeting on September 19, 2023. The meeting included information on the project need, the process of project delivery, the timeline, alternatives and design options under consideration, and a series of videos that demonstrated how roundabouts and traffic lights would work on SR 1. The project team presented at the Midcoast Community Council on October 10, 2023 to inform the Council of the questions and comments received at the public meeting. A summary of the September 19, 2023 meeting and comments received during Project Initiation are included in Attachment S. Additional public meetings will be scheduled during PA&ED.

## 10. ENVIRONMENTAL COMPLIANCE

A combined CEQA Initial Study/Mitigated Negative Declaration and NEPA Environmental Assessment is currently proposed for this project.

A preliminary environmental analysis report (PEAR) was prepared and is included in Attachment G. As described in the PEAR, the project is in the California Coastal Zone and overlaps several biologically sensitive and potentially culturally sensitive areas. The project also runs through the unincorporated town of Moss Beach in San Mateo County and is on a designated county scenic highway. Anticipated technical reports for all alternatives include a community impact assessment, visual impact assessment, cultural resources reports (archaeological survey report and historic property survey report), water quality assessment, location hydraulic assessment, paleontological identification/evaluation memorandum, air quality report, construction noise memorandum, energy analysis memorandum, and biological resources reports (natural environment study, wetland delineation report, United States Fish and Wildlife Service (USFWS) biological assessment, National Marine Fisheries Service biological assessment, and habitat mitigation and monitoring plan).

An initial site assessment (ISA) has been prepared for the project and is included in Attachment H. The ISA indicates that within a few blocks of SR 1, between south of Cypress Way and north of 16th Street, current and historical land uses, including automotive repair, gas stations, a fire station, and a dry cleaner, represent recognized environmental conditions for the project area. In addition, the potential exists in the project area for the presence of aerially deposited lead from highway corridors, pesticides from historical agriculture, soil contamination from historic railroad corridors, and hazardous building materials. All soil excavated within the project limits will require characterization for lead before reuse and/or disposal. If dewatering is required during structure work, the groundwater will require characterization before it is discharged into the stormwater or sanitary sewer and/or disposed of at an offsite water treatment plant. There are also six recognized environmental condition sites near the project area that will need to be further evaluated if any become locations for ground disturbance related to construction of the project.

None of the Build Alternatives are a Type I project under 23 Code of Federal Regulations 772, because they would not alter the location of a roadway, substantially alter the horizontal or vertical alignment of a roadway, or increase the number of through-traffic lanes on a roadway. Therefore, an operational noise analysis is not required. Similarly, this project would not change any land use, open new land to transportation, or add capacity to the roadway, so it is not expected to result in growth.

Consultation with the following agencies is anticipated for the proposed project:

- Federal Highway Administration (FHWA)
- Bay Area Air Quality Conformity Task Force
- State Historic Preservation Officer (SHPO)
- Native American contacts or tribal representatives in accordance with Assembly Bill 52
- San Mateo County
- USFWS
- United States Army Corps of Engineers
- California Department of Fish and Game



- San Francisco Bay RWQCB
- California Coastal Commission and/or San Mateo County Local Coastal Program

## 10.1 Climate Change Considerations

The project area is not projected to be subject to inundation with the 6.9 feet of sea-level rise anticipated to occur by the end of the century or with storm surges. The project is not anticipated to increase the base floodplain to significantly increase flooding. The project would not increase roadway capacity and is not anticipated to increase VMT (per Attachment Q). Therefore, emission will be evaluated qualitatively. The project area is also not in a State Responsibility Area for CAL FIRE Hazard Severity Zones so construction of the project is not anticipated to result in any increase fire hazard. Climate change will be evaluated in the environmental document during PA&ED. No significant impacts to the environment are anticipated from the project with respect to climate change.

## 11. FUNDING

The County is working with local, state, and federal agencies to identify funding sources for the PA&ED, PS&E, and construction phases of the project.

### 11.1 Capital Outlay Project Estimate

The preliminary cost estimate for the project is included in Attachment C. The cost estimate is summarized in Table 11-1.

**Table 11-1 Capital Outlay Project Estimate Summary**

Alternative	Range of Estimate *		Funds	
	Construction	Right of Way	Construction	Right of Way
Alternative 1 (Option A)	\$24.6 M	\$5.1 M	TBD	TBD
Alternative 1 (Option B)	\$24.1 M	\$5.0 M	TBD	TBD
Alternative 2	\$24.5 M	\$2.9 M	TBD	TBD

Note:

The estimates shown here assume that construction will start in 2028, and the entire project will be constructed as one contract.

\* The highest estimate cost for each is the alternative plus variation.

The level of detail available to develop these capital outlay project estimates is only accurate to within the ranges shown in Table 11-1 and is useful for long-range planning purposes only. The capital outlay project estimates should not be used to program or commit state-programmed capital outlay funds. A contingency rate of 30 percent has been applied to all build alternatives due to lack of reliable as-builts, lack of corridor improvements, high inflation costs and to allocate enough funds in case traffic studies determine the need for two lane roundabouts.

## 11.2 Capital Outlay Support Estimate

The current capital outlay support for this project is estimated to be \$12.8 million to \$ 13.2 million.

## 11.3 Cooperative Agreement

This PSR-PDS is the authorizing document for the PA&ED phase. A Cooperative Agreement for the PA&ED phase will be executed between Caltrans and the SMCTA prior to the start of the PA&ED phase. The draft PA&ED Cooperative Agreement will be included in Attachment R.

The County of San Mateo will remain as the project sponsor and will be responsible for all design and right of way work, with Caltrans providing oversight. Separate cooperative agreements for the PS&E, Right of Way, and Construction Phases of the project will be prepared before those phases begin.

## 11.4 Other Agreements

A maintenance agreement between Caltrans and the County of San Mateo will be prepared to document maintenance roles and responsibilities of the pedestrian improvements, intersections and separated bicycle/pedestrian trail. It is expected that the County of San Mateo will maintain mentioned improvements and exact details will be negotiated during the following project development phases.

## 12. DELIVERY SCHEDULE

**Table 12-1 Project Schedule – Major Milestones**

Project Milestones		Scheduled Delivery Date (Month//Year)
PID APPROVAL	M010	02/2024
BEGIN ENVIRONMENTAL	M020	05/2024
NOTICE OF PREPARATION	M030	09/2024
APPROVE DPR	M100	05/2025
CIRCULATE DED EXTERNALLY	M120	06/2025
APPROVE FED	M160	04/2026
PA&ED	M200	05/2026
PS&E TO DOE	M377	02/2028
DRAFT STRUCTURES PS&E	M378	02/2028
PS&E	M380	06/2028
RIGHT OF WAY CERTIFICATION	M410	06/2028
READY TO LIST	M460	09/2028
AWARD	M495	12/2028
BEGIN CONSTRUCTION	M500	01/2029
END CONSTRUCTION	M600	12/2030

END PROJECT	M800	07/2032
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Notes:

DED = draft environmental document

DOE = District Office Engineer

PA&ED = project approval and environmental document

PS&E = plans, specifications, and estimates

The anticipated funding fiscal year for construction is 2027/28.

### **13. RISKS**

A Level 3 Risk Register/Risk Management Plan has been prepared for the project and is included in Attachment F.

The Project Report and Environmental Document must present a phasing strategy because funding may not be available to construct the full build alternatives. Depending on how much time elapses between construction phases, new or revised technical studies and/or supplemental environmental documentation could be needed. The project estimate may need to be updated continually during the project development phase to consider project phasing breakdown and construction implementation and timeframe. The risk may also pose a substantial impact to the project schedule.

The project does not currently have federal funding. If no federal funding for the project is programmed in the TIP, the draft environmental document can be circulated, but Caltrans cannot approve the project's NEPA Environmental Assessment or engage in federal consultations, including with the SHPO, FHWA, and USFWS. This could delay PA&ED and PS&E.

The project risks will be updated throughout the project development.

### **14. EXTERNAL AGENCY COORDINATION**

#### **14.1 Federal Highway Administration**

In accordance with the Joint Stewardship and Oversight Agreement dated May 28, 2015, between Caltrans and FHWA, the project oversight and review has been delegated to Caltrans.

FHWA concurrence that the project conforms to the Clean Air Act will be required. Consultation with the MTC's Bay Air Area Quality Conformity Task Force will be conducted prior to requesting FHWA concurrence.

#### **14.2 United States Fish and Wildlife Service**

The project is expected to have impacts to federally listed species (California red-legged frog and San Francisco garter snake); therefore, it is anticipated that Caltrans would, through avoidance and minimization measures, demonstrate "no take" and would make a "may affect, not likely to adversely affect" determination pursuant to Section 7 of the Endangered Species Act; therefore, a Biological Opinion from the USFWS would be necessary.

### 14.3 State Historic Preservation Officer

Caltrans will obtain SHPO concurrence on determinations of eligibility for the project (if any), under the Section 106 Programmatic Agreement, prior to circulation of the draft environmental document. If the project also requires findings of effect, Caltrans will obtain SHPO concurrence on the findings prior to approval of the final environmental document.

### 14.4 United States Army Corps of Engineers

The project may affect wetlands; therefore, it is assumed that the project would require a Section 404 Permit from the United States Army Corps of Engineers.

### 14.5 Regional Water Quality Control Board

The project is anticipated to require a Section 401 Water Quality Certification from the San Francisco Bay RWQCB.

### 14.6 California Department of Fish and Wildlife

The project is anticipated to affect state-listed threatened or endangered species and riparian areas; therefore, the need for an Incidental Take Permit or Section 1602 Lake and Streambed Alteration Permit from the California Department of Fish and Wildlife is anticipated.

### 14.7 California Coastal Commission/San Mateo County Local Coastal Program

The project is located in the California Coastal Zone and would require a coastal development permit. Unless the project overlaps a location where the California Coastal Commission claims retained jurisdiction, it falls within the jurisdiction of the San Mateo County Local Coastal Program and a local coastal permit is anticipated.

## 15. PROJECT REVIEWS

Field Review	Marco Baez _____	Date <u>1/04/2023</u>
District Maintenance	Monique Nguyen _____	Date <u>7/21/2023</u>
District Traffic Safety Engineer	Rick Yeung _____	Date <u>12/01/2023</u>
Acting Headquarters Project Delivery Coordinator	Richelle Perez _____	Date <u>9/22/2023</u>
Project Manager	Kelly Ma _____	Date <u>11/30/2023</u>
FHWA	Lanh Phan _____	Date <u>7/21/2023</u>
District Safety Review	Haixiong Xu _____	Date <u>7/21/2023</u>
Constructability Review	Jeffrey Hupe _____	Date <u>7/21/2023</u>

Caltrans Highway  
 Operations Reviewer:                     Lance Hall                     Date 12/03/2023

SMCTA  
 Project Manager                     Liliana Price                     Date 12/04/2023

AECOM Project Manager                     Maria Sedghi                     Date 12/04/2023

## 16. PROJECT PERSONNEL

SMCTA Project Manager	Liliana Price	(650) 508-6451
County Project Manager	Chanda Singh	(628) 222-3085
AECOM Project Manager	Maria Sedghi	(408) 297-9585
AECOM Design Lead	Lan Ho	(408) 297-9585
AECOM Project Engineer	Marius Gogosanu	(408) 297-9585
AECOM Environmental Lead	Catherine Clark	(510) 893-3600
Caltrans Project Manager	Kelly Ma	(510) 908-2708
Caltrans Adv Planning Acting Office Chief	Warwick Cheung	(510) 960-0894
Caltrans Adv Planning Branch Chief	Mimy Hew	(510) 286-5578
Caltrans Adv Planning Transportation Engineer	Carry Wu	(341) 766-2493
Caltrans District Design Liaison	Solomon Tesfe	(510) 418-7743
Caltrans Environmental Analysis	John Seal	(510) 549-6091
Caltrans Office of Highway Operations	Lance Hall	(510) 772-8603
Caltrans Traffic Forecasting	Phillip Cox	(510) 286-5584

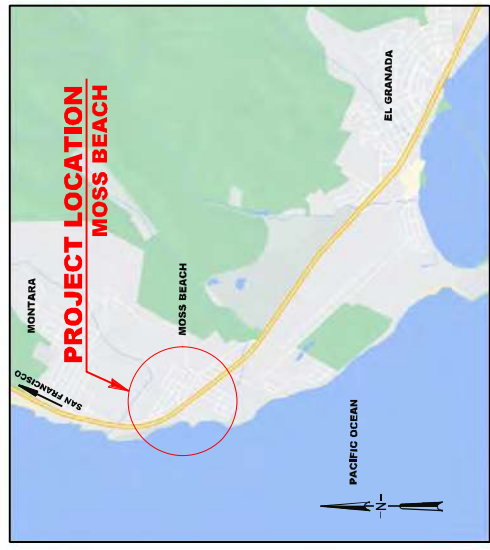
## 17. ATTACHMENTS

Attachment A	Location Map (1)
Attachment B	Conceptual Plans (3)
Attachment C	Conceptual Cost Estimates (11 page and Right of Way Component) (30)
Attachment D	Traffic Engineering Performance Assessment (TEPA) (57)
Attachment E	Transportation Planning Scoping Information Sheet (TPSIS) (13)
Attachment F	Project Risk Register (1)
Attachment G	Preliminary Environmental Analysis Report (PEAR) (32)
Attachment H	Initial Site Assessment (ISA) (461)
Attachment I	Storm Water Data Report (SWDR) signature page (1)
Attachment J	PSR-PDS Survey Needs Questionnaire (1)
Attachment K	HQ DES PSR-PDS Scoping Checklist (5)
Attachment L	Design Scoping Index (6)
Attachment M	Project Schedule (2)
Attachment N	Transportation Management Plan Data Sheet (8)
Attachment O	Complete Streets Decision Document (5)
Attachment P	K Phase Conceptual Cost Estimate Form-Right of Way (10)
Attachment Q	Vehicle-Miles Traveled Decision Document (VMTDD) (5)
Attachment R	COOP for PA&ED (*)
Attachment S	Project Initiation Phase Public Meeting (Summary Report) (18)
Attachment T	Justification for the Elimination of a Roundabout Option at 16th Street from Further Study Memorandum (2)

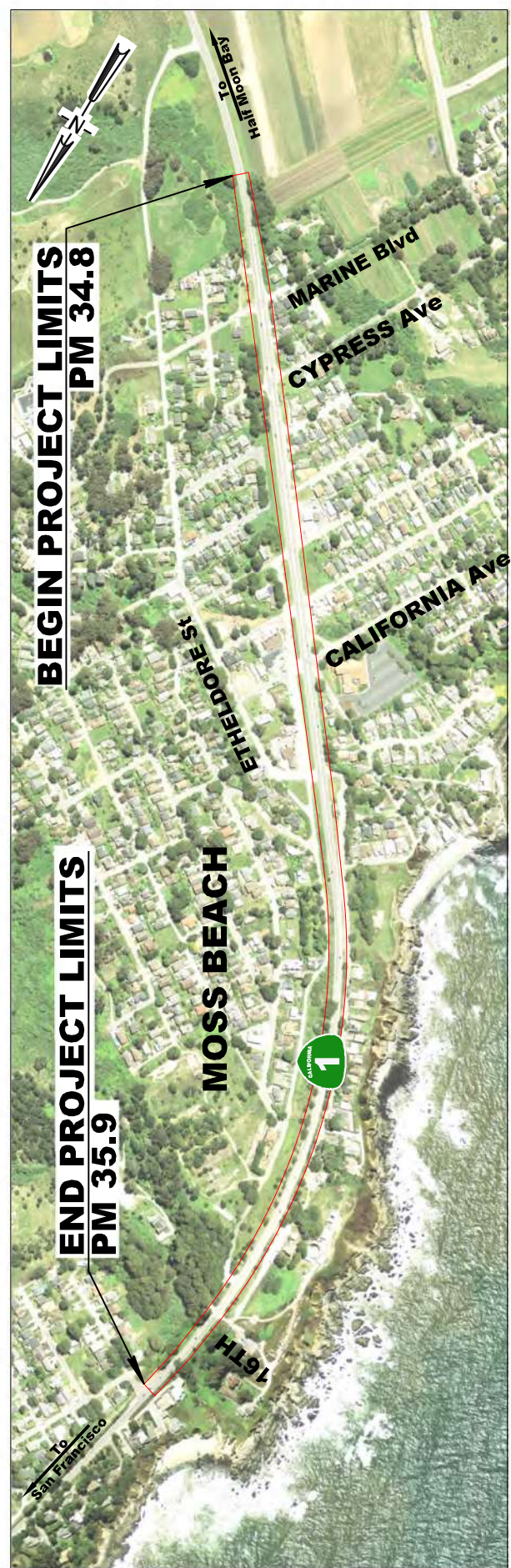
Attachment – A  
Location Map



# MOSS BEACH SR-1 CONGESTION & SAFETY IMPROVEMENTS PROJECT



**PROJECT LOCATION**  
NOT TO SCALE



**VICINITY MAP**  
NOT TO SCALE

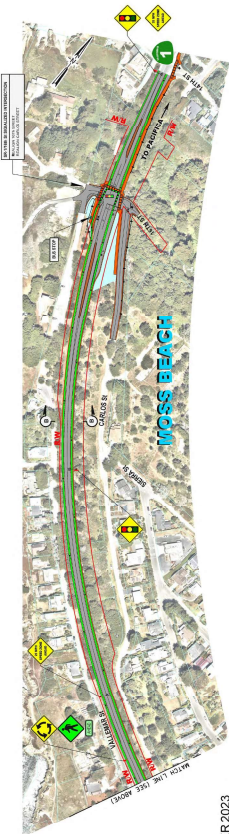
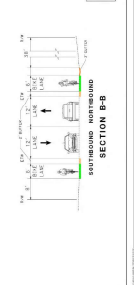
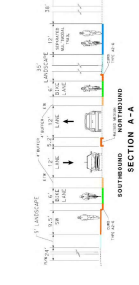
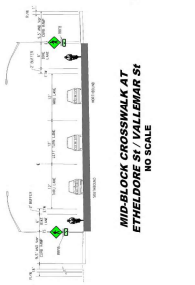
06-01-2023

## PROJECT LOCATION MAP AND VICINITY MAP



Attachment – B  
Conceptual Plans

**MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT**  
 EA 04-07780, SR-1, PM 34.836.9  
 ALTERNATIVE 1 - ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION A - RAISED MEDIAN



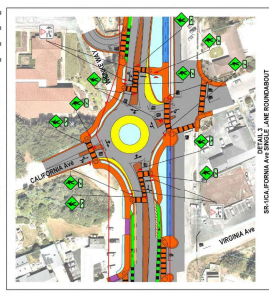
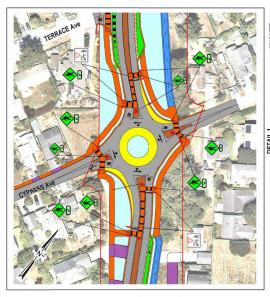
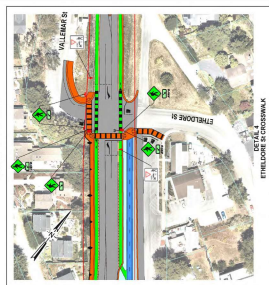
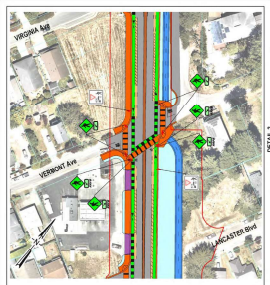
- LEGEND:**
- PROPOSED ROADWAY
  - PROPOSED BLACK TOP PAVEMENT
  - PROPOSED CLASS 1 REPAVED MULTIPURPOSE TRAIL
  - PROPOSED TRUCK ACCOMMODATION SIDEWALK
  - PROPOSED SIDEWALK
  - PROPOSED DRIVEWAY
  - PROPOSED DRIVEWAY MEDIAN
  - PROPOSED BUS STOP
  - PROPOSED FILTER
  - PROPOSED BUFFER
  - PROPOSED LANDSCAPING
  - EXISTING SIDEWALK
  - EXISTING DRIVEWAY

**NOTE:**  
 1. FOR DESIGN VARIATIONS, AT 16TH STREET SEE SHEET 3



NOVEMBER 2023  
**PRELIMINARY**  
 CONSULTATION PROVISIONS

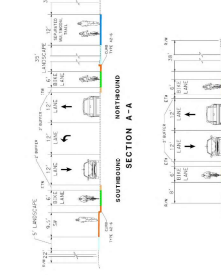
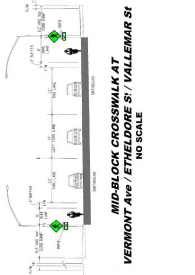
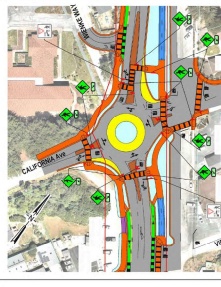
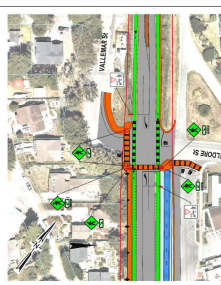
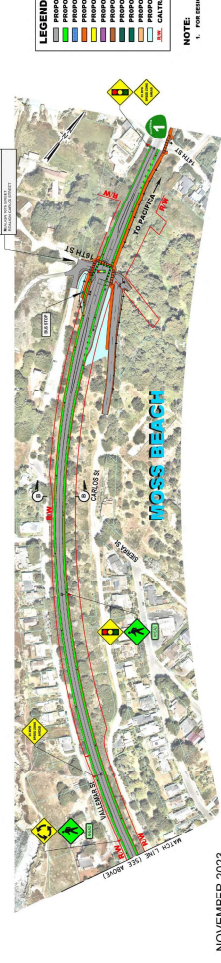
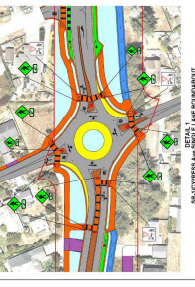
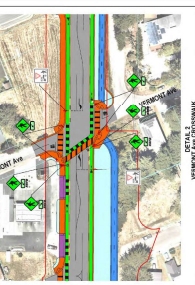
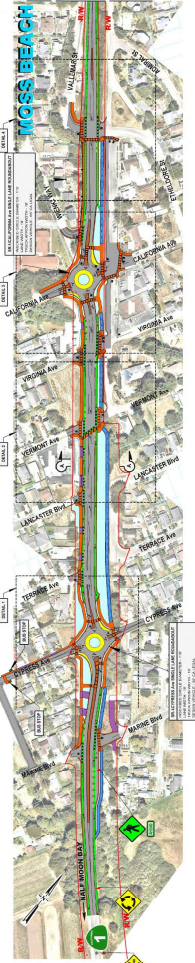
**EXHIBIT 1**



# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-0Y780, SR-1, PM 34.8/35.3

## BUILD ALTERNATIVE 1- ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION B - NO RAISED MEDIAN



- LEGEND:**
- PROPOSED ROADWAY
  - PROPOSED BUFFERED CLASS II BIKE LANE
  - PROPOSED SHOULDER
  - PROPOSED TRUCK SHOULDER
  - PROPOSED SHOULDER MEDIAN
  - PROPOSED BIKE SHOULDER
  - PROPOSED BIKE SHELTER
  - PROPOSED BIKEWAY
  - EXISTING BIKEWAY
  - EXISTING BIKEWAY

**NOTE:**  
1. SEE REGION MAPSHEET AT 16TH STREET FOR EXHIBIT 1.



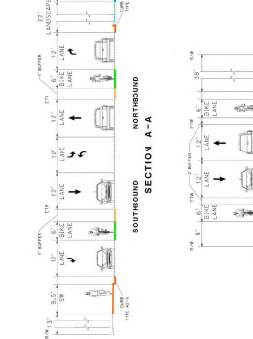
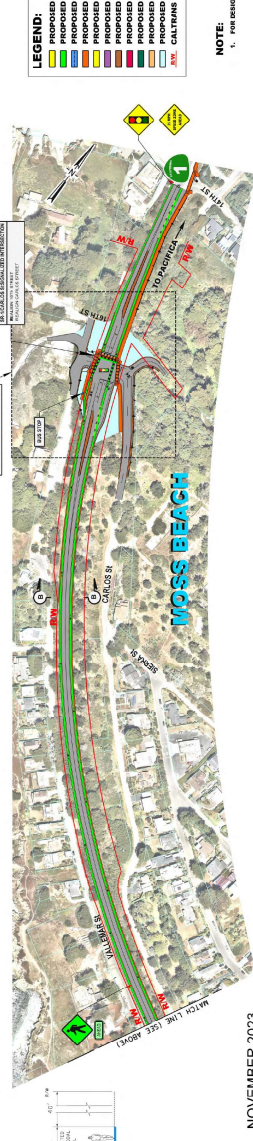
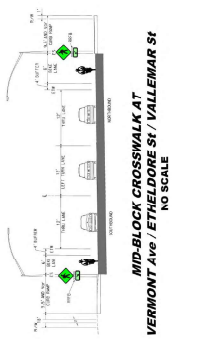
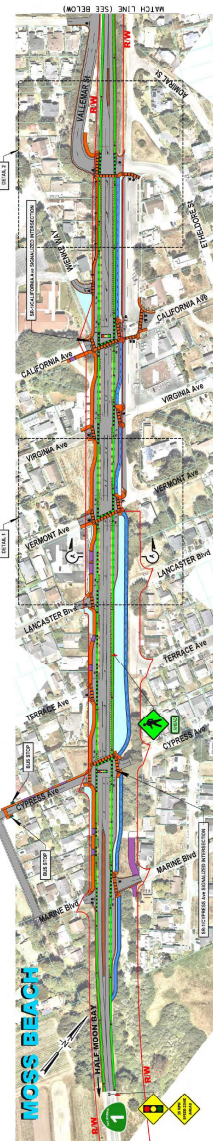
NOVEMBER 2023  
**PRELIMINARY**  
FOR DISCUSSION PURPOSES ONLY

**EXHIBIT 2**

# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

## EA 04-0Y780, SR-1, PM 34.8/35.9

### BUILD ALTERNATIVE 2- SIGNALS AT CYPRESS AVE, CALIFORNIA AVE AND 16TH STREET



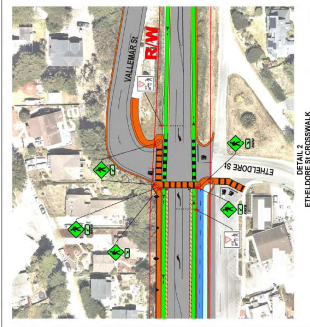
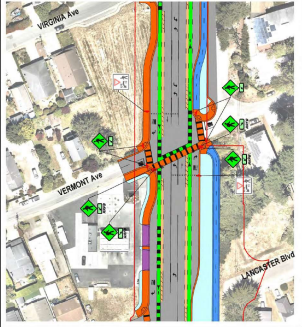
- LEGEND:**
- PROPOSED ROADWAY CLASS II BIKE LANE
  - PROPOSED CLASS I SEPARATED MULTIMODAL TRAIL
  - PROPOSED SIDEWALK/CURB/CROSSWALK
  - PROPOSED DRIVEWAY
  - PROPOSED SHOULDER/MEDIAN
  - PROPOSED BUS SHELTER
  - PROPOSED BUFFER
  - PROPOSED LANDSCAPING
  - CULTURAL FINDING

**NOTE:**  
1. FOR DESIGN VARIATION AT 16TH STREET SEE EXHIBIT 1

**NOVEMBER 2023**  
**PRELIMINARY**  
FOR DISCUSSION PURPOSES ONLY



**AECOM**  
**EXHIBIT 3**



## Attachment – C

### Conceptual Cost Estimates

(11 page and Right of Way Component)

**PROJECT**  
**PLANNING COST ESTIMATE©**

EA: 04-0Y780K

EA: 04-0Y780K PID: 0422000339

PID: 0422000339

District-County-Route: 04-SM-1

PM: R34.8/R35.9

Type of Estimate : PSR-PDS

Program Code :

Project Limits : In San Mateo County In Moss Beach from 0.2 South of Cypress Ave to 0.1 North of 16th St

Project Description: Moss Beach State Route 1 Congestion and Safety Improvements

Scope : Improve traffic operations and safety of key roadway intersections with SR 1 in Moss Beach.

Alternative : **Build Alternative 1** -Roundabouts at Cypress and California Ave and Signal Variation at 16th St  
Option A - Raised median

**SUMMARY OF PROJECT COST ESTIMATE**

	Current Year Cost		Escalated Cost
TOTAL ROADWAY COST	\$ 20,054,200		\$ 23,945,764
TOTAL STRUCTURES COST	\$ 4,521,611		\$ 5,399,040
SUBTOTAL CONSTRUCTION COST	\$ 24,575,811		\$ 29,344,804
TOTAL RIGHT OF WAY COST	\$ 5,067,900		\$ 5,593,940
<b>TOTAL CAPITAL OUTLAY COSTS</b>	<b>\$ 29,644,000</b>		<b>\$ 34,939,000</b>
PA/ED SUPPORT	\$ 3,441,000		\$ 4,108,734
PS&E SUPPORT	\$ 4,424,000		\$ 5,282,487
RIGHT OF WAY SUPPORT	\$ 862,000		\$ 1,029,273
CONSTRUCTION SUPPORT	\$ 4,450,000		\$ 5,313,533
<b>TOTAL SUPPORT COST</b>	<b>\$ 13,177,000</b>		<b>\$ 15,735,000</b>

<b>TOTAL PROJECT COST</b>	<b>\$ 42,850,000</b>	<b>\$ 50,700,000</b>
---------------------------	----------------------	----------------------

Programmed Amount

	<u>Month</u> / <u>Year</u>
Date of Estimate (Month/Year)	10 / 2023
Estimated Construction Start (Month/Year)	7 / 2028
Number of Working Days = 500	
Estimated Mid-Point of Construction (Month/Year)	7 / 2029
Estimated Construction End (Month/Year)	7 / 2030
Number of Plant Establishment Days 250	

*Estimated Project Schedule*

PID Approval	11/30/2023
PA/ED Approval	1/31/2026
PS&E	1/31/2028
RTL	3/31/2028
Begin Construction	7/31/2028

Reviewed by District O.E. or  
Cost Estimate Certifier

Office Engineer / Cost Estimate Certifier

Date

Phone

Approved by Project Manager

Project Manager

Date

Phone

# I. ROADWAY ITEMS SUMMARY

	Section	Cost
1	Earthwork	\$ 1,964,400
2	Pavement Structural Section	\$ 4,338,000
3	Drainage	\$ 950,000
4	Specialty Items	\$ 94,900
5	Environmental	\$ 1,397,200
6	Traffic Items	\$ 2,023,800
7	Detours	\$ -
8	Minor Items	\$ 1,076,900
9	Roadway Mobilization	\$ 1,184,600
10	Supplemental Work	\$ 287,400
11	State Furnished	\$ 592,300
12	Time-Related Overhead	\$ 1,516,800
13	Total Roadway Contingency	\$ 4,627,900
<b>TOTAL ROADWAY ITEMS</b>		<b>\$ 20,054,200</b>

Estimate Prepared By : Marius Gogosanu Project Engineer 10/09/23 408-297-9585  
 Name and Title Date Phone

Estimate Reviewed By : Lan Ho Sr. Project Engineer 10/10/23 408-297-9585  
 Name and Title Date Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

**SECTION 1: EARTHWORK**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
190101	Roadway Excavation	CY	13,396	x	80.00	= \$ 1,071,680
19010X	Roadway Excavation (type Z-2) ADL	CY	2,679	x	300.00	= \$ 803,700
19801X	Imported Borrow	CY/TON		x		= \$ -
194001	Ditch Excavation	CY		x		= \$ -
192037	Structure Excavation (Retaining Wall)	CY		x		= \$ -
193013	Structure Backfill (Retaining Wall)	CY		x		= \$ -
193031	Pervious Backfill Material (Retaining Wall)	CY		x		= \$ -
17010X	Clearing & Grubbing	LS	1	x	59,000.00	= \$ 59,000
100100	Develop Water Supply	LS	1	x	30,000.00	= \$ 30,000
19801X	Imported Borrow	CY/TON		x		= \$ -
190105	Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	CY		x		= \$ -
130730	Street Sweeping	LS		x		= \$ -

<b>TOTAL EARTHWORK SECTION ITEMS</b>	<b>\$</b>	<b>1,964,400</b>
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**SECTION 2: PAVEMENT STRUCTURAL SECTION**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
401050	Jointed Plain Concrete Pavement	CY		x		= \$ -
400050	Continuously Reinforced Concrete Pavement	CY	173	x	950.00	= \$ 164,350
390132	Hot Mix Asphalt (Type A)	TON	4,294	x	150.00	= \$ 644,100
260203	Class 2 Aggregate Base	CY	8,639	x	90.00	= \$ 777,510
260303	Class 3 Aggregate Base	CY		x		= \$ -
414240	Isolation Joint Seal (Asphalt Rubber)	LF		x		= \$ -
414241	Isolation Joint Seal (Silicone)	LF		x		= \$ -
250201	Class 2 Aggregate Subbase	CY	130	x	80.00	= \$ 10,400
410096	Drill and Bond (Dowel Bar)	EA		x		= \$ -
390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	3,639	x	160.00	= \$ 582,240
390402	Rubberized Hot Mix Asphalt Open Graded	TON	2,426	x	160.00	= \$ 388,160
391006	Asphalt Binder (Geosynthetic Pavement Interlayer)	TON		x		= \$ -
290201	Asphalt Treated Permeable Base	CY		x		= \$ -
374002	Asphaltic Emulsion (Fog Seal Coat)	TON		x		= \$ -
397005	Tack Coat	TON		x		= \$ -
377501	Slurry Seal	TON		x		= \$ -
374493	Polymer Asphaltic Emulsion (Seal Coat)	TON		x		= \$ -
370001	Sand Cover (Seal)	TON		x		= \$ -
731521	Minor Concrete (Sidewalk)	CY		x		= \$ -
730020	Minor Concrete (Curb)	CY		x		= \$ -
39407X	Place Hot Mix Asphalt Dike (Type A)	LF		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
420201	Grind Existing Concrete Pavement	SQYD		x		= \$ -
398300	Remove Base and Surfacing	CY		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
731780	Remove Concrete Sidewalk	SQYD		x		= \$ -
731840	Remove Concrete (Curb and Gutter)	LF		x		= \$ -
394090	Place Hot Mix Asphalt (Miscellaneous Area)	SQYD		x		= \$ -
398200	Cold Plane Asphalt Concrete Pavement	SQYD	29,996	x	3.00	= \$ 89,988
731510	Minor Concrete (Curb, Gutter, Sidewalk and Driveway)	CY	1,868	x	900.00	= \$ 1,681,200
846049	6" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
846051	12" Rumble Strip (Asphalt Concrete Pavement)	STA		x		= \$ -
846052	12" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
420102	Groove Existing Concrete Pavement	SQYD		x		= \$ -
394095	Roadside Paving (Miscellaneous Areas)	SQYD		x		= \$ -
390136	Minor Hot Mix Asphalt	TON		x		= \$ -
198209	Subgrade Enhancement Geotextile (Class B2)	SQYD		x		= \$ -

<b>TOTAL PAVEMENT STRUCTURAL SECTION ITEMS</b>	<b>\$</b>	<b>4,338,000</b>
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**SECTION 3: DRAINAGE**

Item code	Unit	Quantity	Unit Price (\$)	Cost
71013X	Remove Culvert	EA/LF	x	= \$ -
710240	Modify Inlet	EA	x	= \$ -
710370	Sand Backfill	CY	x	= \$ -
71010X	Abandon Culvert	EA/LF	x	= \$ -
710196	Adjust Inlet	LF	x	= \$ -
710262	Cap Inlet	EA	x	= \$ -
510501	Minor Concrete	CY	x	= \$ -
510502	Minor Concrete (Minor Structure)	CY	x	= \$ -
731627	Minor Concrete (Curb, Sidewalk, and Curb Ramp)	CY	x	= \$ -
6101XX	XX" Alternative Pipe Culvert (Insert Type)	LF	x	= \$ -
6411XX	XX" Plastic Pipe	LF	x	= \$ -
65XXXX	XX" Reinforced Concrete Pipe (Insert Type)	LF	x	= \$ -
6811XX	XX" Plastic Pipe (Edge Drain)	LF	x	= \$ -
6901XX	XX" Corrugated Steel Pipe Downdrain (0.XXX" Thick)	LF	x	= \$ -
7006XX	XX" Corrugated Steel Pipe Inlet (0.XXX" Thick)	LF	x	= \$ -
7032XX	XX" Corrugated Steel Pipe Riser (0.XXX" Thick)	LF	x	= \$ -
7050XX	XX" Steel Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY/TON	x	= \$ -
72901X	Rock Slope Protection Fabric (Insert Class)	SQYD	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Drainage (15.0%)	LS	1 x 950,000.00	= \$ 950,000
<b>TOTAL DRAINAGE ITEMS</b>				<b>\$ 950,000</b>

**SECTION 4: SPECIALTY ITEMS**

Item code	Unit	Quantity	Unit Price (\$)	Cost
520103	Bar Reinforced Steel (Retaining Wall)	LB	x	= \$ -
5100XX	Structural Concrete	CY	x	= \$ -
510060	Structural Concrete, Retaining Wall	CY	x	= \$ -
5201XX	Bar Reinforcing Steel	LB	x	= \$ -
080050	Progress Schedule (Critical Path Method)	LS	1 x 10,000.00	= \$ 10,000
582001	Sound Wall (Masonry Block)	SQFT	x	= \$ -
510530	Minor Concrete (Wall)	CY	x	= \$ -
60005X	Remove Sound Wall	LF/LS/SQFT	x	= \$ -
070030	Lead Compliance Plan	LS	1 x 10,000.00	= \$ 10,000
141120	Treated Wood Waste	LB	x	= \$ -
839750	Remove Barrier	LF	x	= \$ -
839752	Remove Guardrail	LF	110 x 35.00	= \$ 3,850
710167	Remove Flared End Section	EA	x	= \$ -
8000XX	Chain Link Fence (Type CL-6)	LF	x	= \$ -
80XXXX	4' Chain Link Gate (Type CL-6)	EA	x	= \$ -
8320XX	Midwest Guardrail System (Wood Post)	LF	x	= \$ -
839301	Single Thrie Beam Barrier	LF	x	= \$ -
839310	Double Thrie Beam Barrier	LF	x	= \$ -
833088	Tubular Railing	LF	355 x 200.00	= \$ 71,000
839566	Terminal System (Type CAT)	EA	x	= \$ -
839584	Alternative In-line Terminal System	EA	x	= \$ -
839585	Alternative Flared Terminal System	EA	x	= \$ -
4906XX	XX" Cast-In-Drilled-Hole Concrete Piling	LF	x	= \$ -
8396XX	Crash Cushion (Insert Type)	EA	x	= \$ -
839643	Concrete Barrier (Type 60MD)	LF	x	= \$ -
475010	Retaining Wall (Masonry Wall)	SQFT	x	= \$ -
511035	Architectural Treatment	SQFT	x	= \$ -
780460	Anti-Graffiti Coating	SQFT	x	= \$ -
803030	Remove Fence (Type BW)	LF	x	= \$ -
4730XX	Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$ -
83954X	Transition Railing (Type X)	EA	x	= \$ -
780440	Prepare and Stain Concrete	SQFT	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
83958X	End Anchor Assembly (Insert Type)	EA	x	= \$ -
<b>TOTAL SPECIALTY ITEMS</b>				<b>\$ 94,900</b>

Effective immediately, districts must input estimated item quantities in blue text above in the PRSM database for the pay items listed in the Design Memo, dated April 9, 2018, when Project Report is approved (Milestone 200). [Link to Design Memo.](#)

**SECTION 5: ENVIRONMENTAL**

**5A - ENVIRONMENTAL MITIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
	Biological Mitigation (on-site)	1	x 217,572.00 = \$	217,572
80010X	Temporary Fence (Insert Type)		x = \$	-
130670	Temporary Reinforced Silt Fence		x = \$	-
<i>Subtotal Environmental Mitigation</i>				<b>\$ 217,572</b>

**5B - LANDSCAPE AND IRRIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
XXXXXX	Landscape	1	x 106,000.00 = \$	106,000
20XXXX	Irrigation System	1	x 159,000.00 = \$	159,000
204099	Plant Establishment Work	1	x 30,000.00 = \$	30,000
20XXXX	Follow-up Landscape Project		x = \$	-
206405	Remove Irrigation Facility		x = \$	-
204096	Maintain Existing Planted Areas		x = \$	-
206400	Check and Test Existing Irrigation Facilities		x = \$	-
21011X	Imported Topsoil		CY/TON x = \$	-
200114	Rock Blanket		SQFT/SQYD x = \$	-
200122	Weed Germination		SQYD x = \$	-
995100	Water Meter Charges		LS x = \$	-
2087XX	XX" Conduit (Use for Irrigation x-overs)		LF x = \$	-
20890X	Extend X" Conduit (Use for Extension of Irrigation)		LF x = \$	-
<i>Subtotal Landscape and Irrigation</i>				<b>\$ 295,000</b>

**5C - EROSION CONTROL**

Item code	Unit	Quantity	Unit Price (\$)	Cost
21XXXX	Erosion Control/DPP BMPs	1	x 440,000.00 = \$	440,000
210010	Move-In/Move-Out (Erosion Control)		EA x = \$	-
210350	Fiber Rolls		LF x = \$	-
210360	Compost Sock		LF x = \$	-
2102XX	Rolled Erosion Control Product (Insert Type)		SQFT x = \$	-
21025X	Bonded Fiber Matrix		SQFT/ACRE x = \$	-
210300	Hydromulch		SQFT x = \$	-
210420	Straw		SQFT x = \$	-
210430	Hydroseed		SQFT x = \$	-
210610	Compost		CY x = \$	-
210630	Incorporate Materials		SQFT x = \$	-
<i>Subtotal Erosion Control</i>				<b>\$ 440,000</b>

**5D - NPDES**

Item code	Unit	Quantity	Unit Price (\$)	Cost
130300	Prepare SWPPP		LS x = \$	-
130200	Prepare WPCP		LS x = \$	-
130100	Job Site Management		LS x = \$	-
130330	Storm Water Annual Report		EA x = \$	-
130310	Rain Event Action Plan		EA x = \$	-
130320	Storm Water Sampling and Analysis Day		EA x = \$	-
130520	Temporary Hydraulic Mulch		SQYD x = \$	-
130550	Temporary Hydroseed		SQYD x = \$	-
130505	Move-In/Move-Out (Temporary Erosion Control)		EA x = \$	-
130640	Temporary Fiber Roll		LF x = \$	-
130900	Temporary Concrete Washout		LS x = \$	-
130710	Temporary Construction Entrance		EA x = \$	-
130610	Temporary Check Dam		LF x = \$	-
130620	Temporary Drainage Inlet Protection		EA x = \$	-
130730	Street Sweeping		LS x = \$	-
13XXXX	Temporary Construction BMPs	1	x 444,600.00 = \$	444,600
<i>Subtotal NPDES</i>				<b>\$ 444,600</b>

<b>TOTAL ENVIRONMENTAL</b>	<b>\$ 1,397,200</b>
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**Supplemental Work for NPDES**

066595	Water Pollution Control Maintenance Sharing*	LS	x = \$	-
066596	Additional Water Pollution Control**	LS	x = \$	-
066597	Storm Water Sampling and Analysis***	LS	x = \$	-
XXXXXX	Some Item	LS	x = \$	-
<i>Subtotal Supplemental Work for NDPS</i>				<b>\$ -</b>

\*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

\*\*Applies to both SWPPPs and WPCP projects.

\*\*\* Applies only to project with SWPPPs.

**SECTION 6: TRAFFIC ITEMS**

**6A - Traffic Electrical**

Item code		Unit	Quantity		Unit Price (\$)		Cost
870200	Lighting System	LS	1	x	708,000.00	= \$	708,000
870300	Sign Illumination System	LS		x		= \$	-
870400	Signal and Lighting System	LS	1	x	400,000.00	= \$	400,000
870510	Ramp Metering System	LS		x		= \$	-
87181X	Interconnection Conduit and Cable	LF/LS		x		= \$	-
5602XX	Furnish Sign Structure (Insert Type)	LB		x		= \$	-
5602XX	Install Sign Structure (Insert Type)	LB		x		= \$	-
4980XX	XX" CIDHC Pile (Sign Foundation)	LF		x		= \$	-
87011X	Inductive Loop Detector	EA/LS		x		= \$	-
870600	Traffic Monitoring Station System	LS		x		= \$	-
56804X	Remove Sign Structure	EA/LS		x		= \$	-
568054	Reconstruct Sign Structure	EA		x		= \$	-
568060	Modify Sign Structure	EA		x		= \$	-
870009	Construction	LS		x		= \$	-
86XXX	Fiber Optic Conduit System	LS		x		= \$	-
870700	Flashin Beacon System	LS	1	x	80,000.00	= \$	80,000
<i>Subtotal Traffic Electrical</i>							<b>\$ 1,188,000</b>

**6B - Traffic Signing and Striping**

Item code		Unit	Quantity		Unit Price (\$)		Cost
820840	Roadside Sign - One Post	EA	41	x	350.00	= \$	14,350
820850	Roadside Sign - Two Post	EA		x		= \$	-
5602XX	Furnish Sign Structure (Insert Type)	SQFT		x		= \$	-
820890	Install Sign Panel on Existing Frame	SQFT		x		= \$	-
846020	Remove Painted Traffic Stripe	LF		x		= \$	-
846030	Remove Thermoplastic Traffic Stripe	LF	22,060	x	1.00	= \$	22,060
141102	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	LF		x		= \$	-
141103	Remove Yellow thermoplastic Traffic Stripe (Hazardous Waste)	LF		x		= \$	-
846035	Remove Thermoplastic Pavement Marking	SQFT	1,519	x	3.00	= \$	4,557
846025	Remove Painted Pavement Marking	SQFT		x		= \$	-
820250	Remove Roadside Sign	EA		x		= \$	-
820530	Reset Roadside Sign	EA		x		= \$	-
820610	Relocate Roadside Sign	EA	2	x	300.00	= \$	600
8101XX	Delineator (Insert Class)	EA		x		= \$	-
840502	Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	48,750	x	3.00	= \$	146,250
846012	Thermoplastic Crosswalk and Pavement Marking (Wet Night Visibility)	SQFT	18,871	x	5.00	= \$	94,355
120090	Construction Area Signs	LS	1	x	50,000.00	= \$	50,000
XXXXX	Roadside Sign - Posts and Panels	LS		x		= \$	-
<i>Subtotal Traffic Signing and Striping</i>							<b>\$ 332,172</b>

**6C - Traffic Management Plan**

Item code		Unit	Quantity		Unit Price (\$)		Cost
12865X	Portable Changeable Message Sign	EA		x		= \$	-
XXXXX	TMP	LS	1	x	152,600	= \$	152,600
<i>Subtotal Traffic Management Plan</i>							<b>\$ 152,600</b>

**6C - Stage Construction and Traffic Handling**

Item code		Unit	Quantity		Unit Price (\$)		Cost
120198	Plastic Traffic Drums	EA		x		= \$	-
12016X	Channelizer (Insert Type)	EA		x		= \$	-
120116	Type II Barricade	EA		x		= \$	-
120120	Type III Barricade	EA		x		= \$	-
129100	Temporary Crash Cushion Module	EA		x		= \$	-
120100	Traffic Control System	LS	1	x	351,000.00	= \$	351,000
XXXXX	Traffic Handlig Items	LS		x		= \$	-
129110	Temporary Crash Cushion	EA		x		= \$	-
129000	Temporary Railing (Type K)	LF		x		= \$	-
120149	Temporary Pavement Marking (Paint)	SQFT		x		= \$	-
120152	Temporary Pavement Marking (Tape)	SQFT		x		= \$	-
129102A	Temporary Alternative Crash Cushion System	EA		x		= \$	-
<i>Subtotal Stage Construction and Traffic Handling</i>							<b>\$ 351,000</b>

<b>TOTAL TRAFFIC ITEMS</b>	<b>\$ 2,023,800</b>
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**SECTION 7: DETOURS**

Includes constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
190101	Roadway Excavation	CY	x	= \$ -
19801X	Imported Borrow	CY/TON	x	= \$ -
390132	Hot Mix Asphalt (Type A)	TON	x	= \$ -
26020X	Class 2 Aggregate Base	CY/TON	x	= \$ -
250401	Class 4 Aggregate Subbase	CY	x	= \$ -
130620	Temporary Drainage Inlet Protection	EA	x	= \$ -
129000	Temporary Railing (Type K)	LF	x	= \$ -
128601	Temporary Signal System	LS	x	= \$ -
120149	Temporary Pavement Marking (Paint)	SQFT	x	= \$ -
80010X	Temporary Fence (Insert Type)	LF	x	= \$ -
XXXXXX	Some Item	LS	x	= \$ -

<b>TOTAL DETOURS</b>	<b>\$ -</b>
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<b>SUBTOTAL SECTIONS 1 through 7</b>	<b>\$ 10,768,300</b>
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**SECTION 8: MINOR ITEMS**

**8A - Americans with Disabilities Act Items**

ADA Items	\$ -
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**8B - Bike Path Items**

Bike Path Items	\$ -
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**8C - Other Minor Items**

Other Minor Items	10.0%	\$ 1,076,830
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Total of Section 1-7	\$ 10,768,300	x	10.0%	= \$ 1,076,830
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<b>TOTAL MINOR ITEMS</b>	<b>\$ 1,076,900</b>
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**SECTIONS 9: ROADWAY MOBILIZATION \***

Item code					
999990	Total Section 1-8	\$ 11,845,200	x	10%	= \$ 1,184,520

<b>TOTAL ROADWAY MOBILIZATION</b>	<b>\$ 1,184,600</b>
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**SECTION 10: SUPPLEMENTAL WORK**

Item code	Unit	Quantity	Unit Price (\$)	Cost
066670	Payment Adjustments For Price Index Fluctuations	LS	1 x 15,120.00	= \$ 15,120
066094	Value Analysis	LS	1 x 10,000.00	= \$ 10,000
066070	Maintain Traffic	LS	1 x 200,000.00	= \$ 200,000
066919	Dispute Resolution Board	LS	1 x 7,500.00	= \$ 7,500
066921	Dispute Resolution Advisor	LS	1 x 5,000.00	= \$ 5,000
066393	Hot Mix Asphalt Smoothness Incentive	LS	1 x 29,700.00	= \$ 29,700
066610	Partnering	LS	1 x 20,000.00	= \$ 20,000
066204	Remove Rock and Debris	LS	x	= \$ -
066222	Locate Existing Crossover	LS	x	= \$ -
XXXXXX	Some Item	Unit	x	= \$ -

Cost of NPDES Supplemental Work specified in Section 5D

Total Section 1-8	1%	= \$ -
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<b>TOTAL SUPPLEMENTAL WORK</b>	<b>\$ 287,400</b>
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**SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES**

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
066105	Resident Engineers Office	LS		x	=	\$0
066063	Traffic Management Plan - Public Information	LS		x	=	\$0
066901	Water Expenses	LS		x	=	\$0
8609XX	Traffic Monitoring Station (X)	LS		x	=	\$0
066841	Traffic Controller Assembly	LS		x	=	\$0
066840	Traffic Signal Controller Assembly	LS		x	=	\$0
066062	COZEEP Contract	LS		x	=	\$0
066838	Reflective Numbers and Edge Sealer	LS		x	=	\$0
066065	Tow Truck Service Patrol	LS		x	=	\$0
066916	Annual Construction General Permit Fee	LS		x	=	\$0
066876	Loop Detector Sensor Units	LS		x	=	\$0
Total Section 1-8			\$ 11,845,200	5%	= \$	592,260

<b>TOTAL STATE FURNISHED</b>	<b>\$592,300</b>
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**SECTION 12: TIME-RELATED OVERHEAD**

Total of Roadway and Structures Contract Items excluding Mobilization \$15,167,200 (used to calculate total TRO)

Estimated Time-Related Overhead (TRO) Percentage (0% to 10%) = 10%

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
090100	Time-Related Overhead	WD	500	X \$3,034	=	\$1,516,800

<b>TOTAL TIME-RELATED OVERHEAD</b>	<b>\$1,516,800</b>
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**SECTION 13: ROADWAY CONTINGENCY\***

Risk Amount from Risk Register		(for Known Risks)	0%		
Additional or Residual Contingency		(for Unknown/Undefined Risks)	30%		\$4,627,890
Total Section 1-12	\$	15,426,300	x	<span style="border: 1px solid black; padding: 2px;">30%</span>	= \$4,627,890
<b>TOTAL CONTINGENCY*</b>					<b>\$4,627,900</b>

**II. STRUCTURE ITEMS**

			<u>RW WALLS</u>		<u>RW WALLS</u>
DATE OF ESTIMATE			04/26/23		04/26/23
Bridge Name					
Bridge Number					
Structure Type			Type 5 (Mod)		Soil Nail
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)			6720		7240
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot			\$225		\$250
<b>COST OF EACH</b>			<b>\$1,512,000</b>		<b>\$1,810,000</b>

DATE OF ESTIMATE					
Bridge Name					
Bridge Number					
Structure Type					
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)					
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot					
<b>COST OF EACH</b>			<b>\$0</b>		<b>\$0</b>

\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	5	0	6	0

<b>TOTAL COST OF WALLS</b>	<b>\$3,322,000</b>
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<b>TOTAL COST OF BUILDINGS</b>	<b>\$0</b>
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<b>Time-Related Overhead</b>	10%	
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<b>STRUCTURES MOBILIZATION</b>	10%	<b>\$369,111</b>
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<b>STRUCTURES CONTINGENCY*</b>	25%	<b>\$830,500</b>
<b>BRIDGE REMOVAL (Contingency Incl)</b>		

<b>TOTAL COST OF STRUCTURES</b>	<b>\$4,521,611</b>
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Estimate Prepared By: Marius Gogosanu  
AECOM

4/26/2023  
Date

**III. RIGHT OF WAY**

Fill in all of the available information from the Right of Way Data Sheet.

			<i>Current Value Future Use</i>		<i>Escalated Value</i>
A)	A1)	Acquisition, including Excess Land, Fees, Damages, Goodwill	\$ 3,347,520	\$	3,695,036
	A2)	Acquisition of Offsite Mitigation	\$ 0	\$	0
	A3)	Railroad Acquisition	\$ 0	\$	0
B)	B1)	Utility Relocation (Local Share)	\$ 1,720,307	\$	1,898,897
	B2)	Potholing (Design Phase)	\$	\$	
C)		Utility - Advance Engineering Estimate (Encumber with State Only Funds)	\$ 0	\$	0
D)		RAP and/or Last Resort Housing	\$ 0	\$	0
E)		Clearance & Demolition	\$ 0	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$ 0	\$	0
G)		Title and Escrow	\$	\$	
H)		Environmental Review	\$	\$	
I)		Condemnation Settlements <u>0%</u>	\$ 0	\$	0
J)		Design Appreciation Factor <u>0%</u>	\$ 0	\$	0
K)		Utility Relocation (Construction Cost)	\$ 0	\$	0
L)		Grantor's Appraisal Cost	\$	\$	
M)	<b>TOTAL RIGHT OF WAY ESTIMATE</b>				<b>\$5,067,900</b>
N)	<b>TOTAL R/W ESTIMATE: Escalated</b>				<b>\$5,593,940</b>
O)	<b>RIGHT OF WAY SUPPORT</b>				<b>\$861,600</b>

Support Cost Estimate Prepared By \_\_\_\_\_  
 Project Coordinator<sup>1</sup> Phone \_\_\_\_\_

Utility Estimate Prepared By \_\_\_\_\_  
 Utility Coordinator<sup>2</sup> Phone \_\_\_\_\_

R/W Acquisition Estimate Prepared By \_\_\_\_\_  
 Right of Way Estimator<sup>3</sup> Phone \_\_\_\_\_

Note: Items G & H applied to items A + B

<sup>1</sup> When estimate has Support Costs only

<sup>2</sup> When estimate has Utility Relocation

<sup>3</sup> When R/W Acquisition is required

**PROJECT  
PLANNING COST ESTIMATE©**

EA: 04-0Y780K

EA: 04-0Y780K PID: 0422000339

PID: 0422000339

District-County-Route: 04-SM-1

PM: R34.8/R35.9

Type of Estimate : PSR-PDS

Program Code :

Project Limits : In San Mateo County In Moss Beach from 0.2 South of Cypress Ave to 0.1 North of 16th St

Project Description: Moss Beach State Route 1 Congestion and Safety Improvements

Scope : Improve traffic operations and safety of key roadway intersections with SR 1 in Moss Beach.

Alternative : **Build Alternative 1** - Roundabouts at Cypress and California Ave and Signal Variation at 16th St  
Option B - No raised median

**SUMMARY OF PROJECT COST ESTIMATE**

	<u>Current Year Cost</u>		<u>Escalated Cost</u>
TOTAL ROADWAY COST	\$ 19,596,600	\$	23,399,365
TOTAL STRUCTURES COST	\$ 4,521,611	\$	5,399,040
SUBTOTAL CONSTRUCTION COST	\$ 24,118,211	\$	28,798,405
TOTAL RIGHT OF WAY COST	\$ 5,035,800	\$	5,558,580
<b>TOTAL CAPITAL OUTLAY COSTS</b>	<b>\$ 29,155,000</b>	<b>\$</b>	<b>34,357,000</b>
PA/ED SUPPORT	\$ 3,377,000	\$	4,032,315
PS&E SUPPORT	\$ 4,342,000	\$	5,184,575
RIGHT OF WAY SUPPORT	\$ 856,100	\$	1,022,228
CONSTRUCTION SUPPORT	\$ 4,380,000	\$	5,229,949
<b>TOTAL SUPPORT COST</b>	<b>\$ 12,956,000</b>	<b>\$</b>	<b>15,470,000</b>

<b>TOTAL PROJECT COST</b>	<b>\$ 42,150,000</b>	<b>\$</b>	<b>49,850,000</b>
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Programmed Amount

Month / Year

Date of Estimate (Month/Year) \_\_\_\_\_ 10 / 2023

Estimated Construction Start (Month/Year) \_\_\_\_\_ 7 / 2028

Number of Working Days = 500

Estimated Mid-Point of Construction (Month/Year) \_\_\_\_\_ 7 / 2029

Estimated Construction End (Month/Year) \_\_\_\_\_ 7 / 2030

Number of Plant Establishment Days 250

*Estimated Project Schedule*

PID Approval	11/30/2023
PA/ED Approval	1/31/2026
PS&E	1/31/2028
RTL	3/31/2028
Begin Construction	7/31/2028

Reviewed by District O.E. or  
Cost Estimate Certifier

Office Engineer / Cost Estimate Certifier

Date

Phone

Approved by Project Manager

Project Manager

Date

Phone



# I. ROADWAY ITEMS SUMMARY

	Section	Cost
1	Earthwork	\$ 1,917,400
2	Pavement Structural Section	\$ 4,175,000
3	Drainage	\$ 920,000
4	Specialty Items	\$ 94,900
5	Environmental	\$ 1,375,500
6	Traffic Items	\$ 2,030,400
7	Detours	\$ -
8	Minor Items	\$ 1,051,400
9	Roadway Mobilization	\$ 1,156,500
10	Supplemental Work	\$ 286,200
11	State Furnished	\$ 578,300
12	Time-Related Overhead	\$ 1,488,700
13	Total Roadway Contingency	\$ 4,522,300
<b>TOTAL ROADWAY ITEMS</b>		<b>\$ 19,596,600</b>

Estimate Prepared By : Marius Gogosanu Project Engineer 10/09/23 408-297-9585  
Name and Title Date Phone

Estimate Reviewed By : Lan Ho Sr. Project Engineer 10/10/23 408-297-9585  
Name and Title Date Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

**SECTION 1: EARTHWORK**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
190101	Roadway Excavation	CY	13,059	x	80.00	= \$ 1,044,720
19010X	Roadway Excavation (type Z-2) ADL	CY	2,612	x	300.00	= \$ 783,600
19801X	Imported Borrow	CY/TON		x		= \$ -
194001	Ditch Excavation	CY		x		= \$ -
192037	Structure Excavation (Retaining Wall)	CY		x		= \$ -
193013	Structure Backfill (Retaining Wall)	CY		x		= \$ -
193031	Pervious Backfill Material (Retaining Wall)	CY		x		= \$ -
17010X	Clearing & Grubbing	LS	1	x	59,000.00	= \$ 59,000
100100	Develop Water Supply	LS	1	x	30,000.00	= \$ 30,000
19801X	Imported Borrow	CY/TON		x		= \$ -
190105	Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	CY		x		= \$ -
130730	Street Sweeping	LS		x		= \$ -

<b>TOTAL EARTHWORK SECTION ITEMS</b>	<b>\$ 1,917,400</b>
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**SECTION 2: PAVEMENT STRUCTURAL SECTION**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
401050	Jointed Plain Concrete Pavement	CY		x		= \$ -
400050	Continuously Reinforced Concrete Pavement	CY	174	x	950.00	= \$ 165,300
390132	Hot Mix Asphalt (Type A)	TON	3,975	x	150.00	= \$ 596,250
260203	Class 2 Aggregate Base	CY	8,482	x	90.00	= \$ 763,380
260303	Class 3 Aggregate Base	CY		x		= \$ -
414240	Isolation Joint Seal (Asphalt Rubber)	LF		x		= \$ -
414241	Isolation Joint Seal (Silicone)	LF		x		= \$ -
250201	Class 2 Aggregate Subbase	CY	130	x	80.00	= \$ 10,400
410096	Drill and Bond (Dowel Bar)	EA		x		= \$ -
390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	3,570	x	160.00	= \$ 571,200
390402	Rubberized Hot Mix Asphalt Open Graded	TON	2,380	x	160.00	= \$ 380,800
391006	Asphalt Binder (Geosynthetic Pavement Interlayer)	TON		x		= \$ -
290201	Asphalt Treated Permeable Base	CY		x		= \$ -
374002	Asphaltic Emulsion (Fog Seal Coat)	TON		x		= \$ -
397005	Tack Coat	TON		x		= \$ -
377501	Slurry Seal	TON		x		= \$ -
374493	Polymer Asphaltic Emulsion (Seal Coat)	TON		x		= \$ -
370001	Sand Cover (Seal)	TON		x		= \$ -
731521	Minor Concrete (Sidewalk)	CY		x		= \$ -
730020	Minor Concrete (Curb)	CY		x		= \$ -
39407X	Place Hot Mix Asphalt Dike (Type A)	LF		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
420201	Grind Existing Concrete Pavement	SQYD		x		= \$ -
398300	Remove Base and Surfacing	CY		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
731780	Remove Concrete Sidewalk	SQYD		x		= \$ -
731840	Remove Concrete (Curb and Gutter)	LF		x		= \$ -
394090	Place Hot Mix Asphalt (Miscellaneous Area)	SQYD		x		= \$ -
398200	Cold Plane Asphalt Concrete Pavement	SQYD	30,050	x	3.00	= \$ 90,150
731510	Minor Concrete (Curb, Gutter, Sidewalk and Driveway)	CY	1,775	x	900.00	= \$ 1,597,500
846049	6" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
846051	12" Rumble Strip (Asphalt Concrete Pavement)	STA		x		= \$ -
846052	12" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
420102	Groove Existing Concrete Pavement	SQYD		x		= \$ -
394095	Roadside Paving (Miscellaneous Areas)	SQYD		x		= \$ -
390136	Minor Hot Mix Asphalt	TON		x		= \$ -
198209	Subgrade Enhancement Geotextile (Class B2)	SQYD		x		= \$ -

<b>TOTAL PAVEMENT STRUCTURAL SECTION ITEMS</b>	<b>\$ 4,175,000</b>
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**SECTION 3: DRAINAGE**

Item code	Unit	Quantity	Unit Price (\$)	Cost
71013X	Remove Culvert	EA/LF	x	= \$ -
710240	Modify Inlet	EA	x	= \$ -
710370	Sand Backfill	CY	x	= \$ -
71010X	Abandon Culvert	EA/LF	x	= \$ -
710196	Adjust Inlet	LF	x	= \$ -
710262	Cap Inlet	EA	x	= \$ -
510501	Minor Concrete	CY	x	= \$ -
510502	Minor Concrete (Minor Structure)	CY	x	= \$ -
731627	Minor Concrete (Curb, Sidewalk, and Curb Ramp)	CY	x	= \$ -
6101XX	XX" Alternative Pipe Culvert (Insert Type)	LF	x	= \$ -
6411XX	XX" Plastic Pipe	LF	x	= \$ -
65XXXX	XX" Reinforced Concrete Pipe (Insert Type)	LF	x	= \$ -
6811XX	XX" Plastic Pipe (Edge Drain)	LF	x	= \$ -
6901XX	XX" Corrugated Steel Pipe Downdrain (0.XXX" Thick)	LF	x	= \$ -
7006XX	XX" Corrugated Steel Pipe Inlet (0.XXX" Thick)	LF	x	= \$ -
7032XX	XX" Corrugated Steel Pipe Riser (0.XXX" Thick)	LF	x	= \$ -
7050XX	XX" Steel Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY/TON	x	= \$ -
72901X	Rock Slope Protection Fabric (Insert Class)	SQYD	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Drainage (15.0%)	LS	1 x 920,000.00	= \$ 920,000
<b>TOTAL DRAINAGE ITEMS</b>				<b>\$ 920,000</b>

**SECTION 4: SPECIALTY ITEMS**

Item code	Unit	Quantity	Unit Price (\$)	Cost
520103	Bar Reinforced Steel (Retaining Wall)	LB	x	= \$ -
5100XX	Structural Concrete	CY	x	= \$ -
510060	Structural Concrete, Retaining Wall	CY	x	= \$ -
5201XX	Bar Reinforcing Steel	LB	x	= \$ -
080050	Progress Schedule (Critical Path Method)	LS	1 x 10,000.00	= \$ 10,000
582001	Sound Wall (Masonry Block)	SQFT	x	= \$ -
510530	Minor Concrete (Wall)	CY	x	= \$ -
60005X	Remove Sound Wall	LF/LS/SQFT	x	= \$ -
070030	Lead Compliance Plan	LS	1 x 10,000.00	= \$ 10,000
141120	Treated Wood Waste	LB	x	= \$ -
839750	Remove Barrier	LF	x	= \$ -
839752	Remove Guardrail	LF	110 x 35.00	= \$ 3,850
710167	Remove Flared End Section	EA	x	= \$ -
8000XX	Chain Link Fence (Type CL-6)	LF	x	= \$ -
80XXXX	4' Chain Link Gate (Type CL-6)	EA	x	= \$ -
8320XX	Midwest Guardrail System (Wood Post)	LF	x	= \$ -
839301	Single Thrie Beam Barrier	LF	x	= \$ -
839310	Double Thrie Beam Barrier	LF	x	= \$ -
833088	Tubular Railing	LF	355 x 200.00	= \$ 71,000
839566	Terminal System (Type CAT)	EA	x	= \$ -
839584	Alternative In-line Terminal System	EA	x	= \$ -
839585	Alternative Flared Terminal System	EA	x	= \$ -
4906XX	XX" Cast-In-Drilled-Hole Concrete Piling	LF	x	= \$ -
8396XX	Crash Cushion (Insert Type)	EA	x	= \$ -
839643	Concrete Barrier (Type 60MD)	LF	x	= \$ -
475010	Retaining Wall (Masonry Wall)	SQFT	x	= \$ -
511035	Architectural Treatment	SQFT	x	= \$ -
780460	Anti-Graffiti Coating	SQFT	x	= \$ -
803030	Remove Fence (Type BW)	LF	x	= \$ -
4730XX	Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$ -
83954X	Transition Railing (Type X)	EA	x	= \$ -
780440	Prepare and Stain Concrete	SQFT	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
83958X	End Anchor Assembly (Insert Type)	EA	x	= \$ -
<b>TOTAL SPECIALTY ITEMS</b>				<b>\$ 94,900</b>

Effective immediately, districts must input estimated item quantities in blue text above in the PRSM database for the pay items listed in the Design Memo, dated April 9, 2018, when Project Report is approved (Milestone 200). [Link to Design Memo.](#)

**SECTION 5: ENVIRONMENTAL**

**5A - ENVIRONMENTAL MITIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
	LS	1	x 210,372.00	= \$ 210,372
80010X Biological Mitigation (on-site)	LF		x	= \$ -
130670 Temporary Fence (Insert Type)	LF		x	= \$ -
				= \$ -
<i>Subtotal Environmental Mitigation</i>				\$ 210,372

**5B - LANDSCAPE AND IRRIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
XXXXXX Landscape	LS	1	x 104,000.00	= \$ 104,000
20XXXX Irrigation System	LS	1	x 156,000.00	= \$ 156,000
204099 Plant Establishment Work	LS	1	x 30,000.00	= \$ 30,000
20XXXX Follow-up Landscape Project	LS		x	= \$ -
206405 Remove Irrigation Facility	LS		x	= \$ -
204096 Maintain Existing Planted Areas	LS		x	= \$ -
206400 Check and Test Existing Irrigation Facilities	LS		x	= \$ -
21011X Imported Topsoil	CY/TON		x	= \$ -
200114 Rock Blanket	SQFT/SQYD		x	= \$ -
200122 Weed Germination	SQYD		x	= \$ -
995100 Water Meter Charges	LS		x	= \$ -
2087XX XX" Conduit (Use for Irrigation x-overs)	LF		x	= \$ -
20890X Extend X" Conduit (Use for Extension of Irrigation)	LF		x	= \$ -
<i>Subtotal Landscape and Irrigation</i>				\$ 290,000

**5C - EROSION CONTROL**

Item code	Unit	Quantity	Unit Price (\$)	Cost
21XXXX Erosion Control/DPP BMPs	LS	1	x 440,000.00	= \$ 440,000
210010 Move-In/Move-Out (Erosion Control)	EA		x	= \$ -
210350 Fiber Rolls	LF		x	= \$ -
210360 Compost Sock	LF		x	= \$ -
2102XX Rolled Erosion Control Product (Insert Type)	SQFT		x	= \$ -
21025X Bonded Fiber Matrix	SQFT/ACRE		x	= \$ -
210300 Hydromulch	SQFT		x	= \$ -
210420 Straw	SQFT		x	= \$ -
210430 Hydroseed	SQFT		x	= \$ -
210610 Compost	CY		x	= \$ -
210630 Incorporate Materials	SQFT		x	= \$ -
<i>Subtotal Erosion Control</i>				\$ 440,000

**5D - NPDES**

Item code	Unit	Quantity	Unit Price (\$)	Cost
130300 Prepare SWPPP	LS		x	= \$ -
130200 Prepare WPCP	LS		x	= \$ -
130100 Job Site Management	LS		x	= \$ -
130330 Storm Water Annual Report	EA		x	= \$ -
130310 Rain Event Action Plan	EA		x	= \$ -
130320 Storm Water Sampling and Analysis Day	EA		x	= \$ -
130520 Temporary Hydraulic Mulch	SQYD		x	= \$ -
130550 Temporary Hydroseed	SQYD		x	= \$ -
130505 Move-In/Move-Out (Temporary Erosion Control)	EA		x	= \$ -
130640 Temporary Fiber Roll	LF		x	= \$ -
130900 Temporary Concrete Washout	LS		x	= \$ -
130710 Temporary Construction Entrance	EA		x	= \$ -
130610 Temporary Check Dam	LF		x	= \$ -
130620 Temporary Drainage Inlet Protection	EA		x	= \$ -
130730 Street Sweeping	LS		x	= \$ -
13XXXX Temporary Construction BMPs	LS	1	x 435,100.00	= \$ 435,100
<i>Subtotal NPDES</i>				\$ 435,100

<b>TOTAL ENVIRONMENTAL</b>	<b>\$</b>	<b>1,375,500</b>
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**Supplemental Work for NPDES**

066595 Water Pollution Control Maintenance Sharing*	LS		x	= \$ -
066596 Additional Water Pollution Control**	LS		x	= \$ -
066597 Storm Water Sampling and Analysis***	LS		x	= \$ -
XXXXXX Some Item	LS		x	= \$ -
<i>Subtotal Supplemental Work for NDPS</i>				\$ -

\*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

\*\*Applies to both SWPPPs and WPCP projects.

\*\*\* Applies only to project with SWPPPs.

**SECTION 6: TRAFFIC ITEMS**

**6A - Traffic Electrical**

Item code		Unit	Quantity		Unit Price (\$)	=	Cost	
870200	Lighting System	LS	1	x	708,000.00	= \$	708,000	
870300	Sign Illumination System	LS		x		= \$	-	
870400	Signal and Lighting System	LS	1	x	400,000.00	= \$	400,000	
870510	Ramp Metering System	LS		x		= \$	-	
87181X	Interconnection Conduit and Cable	LF/LS		x		= \$	-	
5602XX	Furnish Sign Structure (Insert Type)	LB		x		= \$	-	
5602XX	Install Sign Structure (Insert Type)	LB		x		= \$	-	
4980XX	XX" CIDHC Pile (Sign Foundation)	LF		x		= \$	-	
87011X	Inductive Loop Detector	EA/LS		x		= \$	-	
870600	Traffic Monitoring Station System	LS		x		= \$	-	
56804X	Remove Sign Structure	EA/LS		x		= \$	-	
568054	Reconstruct Sign Structure	EA		x		= \$	-	
568060	Modify Sign Structure	EA		x		= \$	-	
870009	Construction	LS		x		= \$	-	
86XXX	Fiber Optic Conduit System	LS		x		= \$	-	
870700	Flashin Beacon System	LS	1	x	80,000.00	= \$	80,000	
<b>Subtotal Traffic Electrical</b>							<b>\$</b>	<b>1,188,000</b>

**6B - Traffic Signing and Striping**

Item code		Unit	Quantity		Unit Price (\$)	=	Cost	
820840	Roadside Sign - One Post	EA	41	x	350.00	= \$	14,350	
820850	Roadside Sign - Two Post	EA		x		= \$	-	
5602XX	Furnish Sign Structure (Insert Type)	SQFT		x		= \$	-	
820890	Install Sign Panel on Existing Frame	SQFT		x		= \$	-	
846020	Remove Painted Traffic Stripe	LF		x		= \$	-	
846030	Remove Thermoplastic Traffic Stripe	LF	22,060	x	1.00	= \$	22,060	
141102	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	LF		x		= \$	-	
141103	Remove Yellow thermoplastic Traffic Stripe (Hazardous Waste)	LF		x		= \$	-	
846035	Remove Thermoplastic Pavement Marking	SQFT	1,517	x	3.00	= \$	4,551	
846025	Remove Painted Pavement Marking	SQFT		x		= \$	-	
820250	Remove Roadside Sign	EA		x		= \$	-	
820530	Reset Roadside Sign	EA		x		= \$	-	
820610	Relocate Roadside Sign	EA	2	x	300.00	= \$	600	
8101XX	Delineator (Insert Class)	EA		x		= \$	-	
840502	Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	49,214	x	3.00	= \$	147,642	
846012	Thermoplastic Crosswalk and Pavement Marking (Wet Night Visibility)	SQFT	21,408	x	5.00	= \$	107,040	
120090	Construction Area Signs	LS	1	x	50,000.00	= \$	50,000	
XXXXX	Roadside Sign - Posts and Panels	LS		x		= \$	-	
<b>Subtotal Traffic Signing and Striping</b>							<b>\$</b>	<b>346,243</b>

**6C - Traffic Management Plan**

Item code		Unit	Quantity		Unit Price (\$)	=	Cost	
12865X	Portable Changeable Message Sign	EA		x		= \$	-	
XXXXX	TMP	LS	1	x	152,600	= \$	152,600	
<b>Subtotal Traffic Management Plan</b>							<b>\$</b>	<b>152,600</b>

**6C - Stage Construction and Traffic Handling**

Item code		Unit	Quantity		Unit Price (\$)	=	Cost	
120198	Plastic Traffic Drums	EA		x		= \$	-	
12016X	Channelizer (Insert Type)	EA		x		= \$	-	
120116	Type II Barricade	EA		x		= \$	-	
120120	Type III Barricade	EA		x		= \$	-	
129100	Temporary Crash Cushion Module	EA		x		= \$	-	
120100	Traffic Control System	LS	1	x	343,500.00	= \$	343,500	
XXXXX	Traffic Handlig Items	LS		x		= \$	-	
129110	Temporary Crash Cushion	EA		x		= \$	-	
129000	Temporary Railing (Type K)	LF		x		= \$	-	
120149	Temporary Pavement Marking (Paint)	SQFT		x		= \$	-	
120152	Temporary Pavement Marking (Tape)	SQFT		x		= \$	-	
129102A	Temporary Alternative Crash Cushion System	EA		x		= \$	-	
<b>Subtotal Stage Construction and Traffic Handling</b>							<b>\$</b>	<b>343,500</b>

<b>TOTAL TRAFFIC ITEMS</b>	<b>\$</b>	<b>2,030,400</b>
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**SECTION 7: DETOURS**

Includes constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
190101	Roadway Excavation	CY	x = \$	-
19801X	Imported Borrow	CY/TON	x = \$	-
390132	Hot Mix Asphalt (Type A)	TON	x = \$	-
26020X	Class 2 Aggregate Base	CY/TON	x = \$	-
250401	Class 4 Aggregate Subbase	CY	x = \$	-
130620	Temporary Drainage Inlet Protection	EA	x = \$	-
129000	Temporary Railing (Type K)	LF	x = \$	-
128601	Temporary Signal System	LS	x = \$	-
120149	Temporary Pavement Marking (Paint)	SQFT	x = \$	-
80010X	Temporary Fence (Insert Type)	LF	x = \$	-
XXXXXX	Some Item	LS	x = \$	-

<b>TOTAL DETOURS</b>	<b>\$</b>	<b>-</b>
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<b>SUBTOTAL SECTIONS 1 through 7</b>	<b>\$</b>	<b>10,513,200</b>
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**SECTION 8: MINOR ITEMS**

**8A - Americans with Disabilities Act Items**

ADA Items	\$	-
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**8B - Bike Path Items**

Bike Path Items	\$	-
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**8C - Other Minor Items**

Other Minor Items	10.0%	\$ 1,051,320
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Total of Section 1-7	\$ 10,513,200	x 10.0%	= \$ 1,051,320
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<b>TOTAL MINOR ITEMS</b>	<b>\$</b>	<b>1,051,400</b>
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**SECTIONS 9: ROADWAY MOBILIZATION \***

Item code	Total Section 1-8	\$ 11,564,600	x 10%	= \$ 1,156,460
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<b>TOTAL ROADWAY MOBILIZATION</b>	<b>\$</b>	<b>1,156,500</b>
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**SECTION 10: SUPPLEMENTAL WORK**

Item code	Unit	Quantity	Unit Price (\$)	Cost
066670	Payment Adjustments For Price Index Fluctuations	LS	1 x 13,990.00 = \$	13,990
066094	Value Analysis	LS	1 x 10,000.00 = \$	10,000
066070	Maintain Traffic	LS	1 x 200,000.00 = \$	200,000
066919	Dispute Resolution Board	LS	1 x 7,500.00 = \$	7,500
066921	Dispute Resolution Advisor	LS	1 x 5,000.00 = \$	5,000
066393	Hot Mix Asphalt Smoothness Incentive	LS	1 x 29,700.00 = \$	29,700
066610	Partnering	LS	1 x 20,000.00 = \$	20,000
066204	Remove Rock and Debris	LS	x = \$	-
066222	Locate Existing Crossover	LS	x = \$	-
XXXXXX	Some Item	Unit	x = \$	-

Cost of NPDES Supplemental Work specified in Section 5D	= \$	-
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Total Section 1-8	1%	= \$	-
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<b>TOTAL SUPPLEMENTAL WORK</b>	<b>\$</b>	<b>286,200</b>
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**SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES**

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
066105	Resident Engineers Office	LS		x	=	\$0
066063	Traffic Management Plan - Public Information	LS		x	=	\$0
066901	Water Expenses	LS		x	=	\$0
8609XX	Traffic Monitoring Station (X)	LS		x	=	\$0
066841	Traffic Controller Assembly	LS		x	=	\$0
066840	Traffic Signal Controller Assembly	LS		x	=	\$0
066062	COZEEP Contract	LS		x	=	\$0
066838	Reflective Numbers and Edge Sealer	LS		x	=	\$0
066065	Tow Truck Service Patrol	LS		x	=	\$0
066916	Annual Construction General Permit Fee	LS		x	=	\$0
066876	Loop Detector Sensor Units	LS		x	=	\$0
Total Section 1-8			\$ 11,564,600	5%	= \$	578,230

<b>TOTAL STATE FURNISHED</b>	<b>\$578,300</b>
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**SECTION 12: TIME-RELATED OVERHEAD**

Total of Roadway and Structures Contract Items excluding Mobilization \$14,886,600 (used to calculate total TRO)

Estimated Time-Related Overhead (TRO) Percentage (0% to 10%) = 10%

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
090100	Time-Related Overhead	WD	500	X \$2,977	=	\$1,488,700

<b>TOTAL TIME-RELATED OVERHEAD</b>	<b>\$1,488,700</b>
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**SECTION 13: ROADWAY CONTINGENCY\***

Risk Amount from Risk Register		(for Known Risks)	0%		
Additional or Residual Contingency		(for Unknown/Undefined Risks)	30%		\$4,522,290
Total Section 1-12	\$	15,074,300	x	<span style="border: 1px solid black; padding: 2px;">30%</span>	= \$4,522,290
<b>TOTAL CONTINGENCY*</b>					<b>\$4,522,300</b>

**II. STRUCTURE ITEMS**

			<u>RW WALLS</u>		<u>RW WALLS</u>
DATE OF ESTIMATE			04/26/23		04/26/23
Bridge Name					
Bridge Number					
Structure Type			Type 5 (Mod)		Soil Nail
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)			6720		7240
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot			\$225		\$250
<b>COST OF EACH</b>			<b>\$1,512,000</b>		<b>\$1,810,000</b>

DATE OF ESTIMATE					
Bridge Name					
Bridge Number					
Structure Type					
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)					
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot					
<b>COST OF EACH</b>			<b>\$0</b>		<b>\$0</b>

\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	5	0	6	0

<b>TOTAL COST OF WALLS</b>	<b>\$3,322,000</b>
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<b>TOTAL COST OF BUILDINGS</b>	<b>\$0</b>
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<b>Time-Related Overhead</b>	10%	
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<b>STRUCTURES MOBILIZATION</b>	10%	<b>\$369,111</b>
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<b>STRUCTURES CONTINGENCY*</b>	25%	<b>\$830,500</b>
<b>BRIDGE REMOVAL (Contingency Incl)</b>		

<b>TOTAL COST OF STRUCTURES</b>	<b>\$4,521,611</b>
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Estimate Prepared By: Marius Gogosanu  
AECOM

4/26/2023  
Date



**III. RIGHT OF WAY**

Fill in all of the available information from the Right of Way Data Sheet.

			<i>Current Value Future Use</i>		<i>Escalated Value</i>
A)	A1)	Acquisition, including Excess Land, Fees, Damages, Goodwill	\$ 3,347,520	\$	3,695,036
	A2)	Acquisition of Offsite Mitigation	\$ 0	\$	0
	A3)	Railroad Acquisition	\$ 0	\$	0
B)	B1)	Utility Relocation (Local Share)	\$ 1,688,275	\$	1,863,539
	B2)	Potholing (Design Phase)	\$	\$	
C)		Utility - Advance Engineering Estimate (Encumber with State Only Funds)	\$ 0	\$	0
D)		RAP and/or Last Resort Housing	\$ 0	\$	0
E)		Clearance & Demolition	\$ 0	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$ 0	\$	0
G)		Title and Escrow	\$	\$	
H)		Environmental Review	\$	\$	
I)		Condemnation Settlements <u>0%</u>	\$ 0	\$	0
J)		Design Appreciation Factor <u>0%</u>	\$ 0	\$	0
K)		Utility Relocation (Construction Cost)	\$ 0	\$	0
L)		Grantor's Appraisal Cost	\$	\$	
M)	<b>TOTAL RIGHT OF WAY ESTIMATE</b>				<b>\$5,035,800</b>
N)	<b>TOTAL R/W ESTIMATE: Escalated</b>				<b>\$5,558,580</b>
O)	<b>RIGHT OF WAY SUPPORT</b>				<b>\$856,100</b>

Support Cost Estimate Prepared By \_\_\_\_\_  
 Project Coordinator<sup>1</sup> Phone \_\_\_\_\_

Utility Estimate Prepared By \_\_\_\_\_  
 Utility Coordinator<sup>2</sup> Phone \_\_\_\_\_

R/W Acquisition Estimate Prepared By \_\_\_\_\_  
 Right of Way Estimator<sup>3</sup> Phone \_\_\_\_\_

Note: Items G & H applied to items A + B

<sup>1</sup> When estimate has Support Costs only

<sup>2</sup> When estimate has Utility Relocation

<sup>3</sup> When R/W Acquisition is required

# PROJECT PLANNING COST ESTIMATE©

EA: 04-0Y780K

EA: 04-0Y780K PID: 0422000339

PID: 0422000339

District-County-Route: 04-SM-1

PM: R34.8/R35.9

Type of Estimate : PSR-PDS

Program Code :

Project Limits : In San Mateo County In Moss Beach from 0.2 South of Cypress Ave to 0.1 North of 16th St

Project Description: Moss Beach State Route 1 Congestion and Safety Improvements

Scope : Improve traffic operations and safety of key roadway intersections with SR 1 in Moss Beach.

Alternative : **Build Alternative 2** - Signals at Cypress Ave, California Ave and Variation at 16th St

### SUMMARY OF PROJECT COST ESTIMATE

	Current Year Cost	Escalated Cost
TOTAL ROADWAY COST	\$ 19,931,300	\$ 23,799,015
TOTAL STRUCTURES COST	\$ 4,521,611	\$ 5,399,040
SUBTOTAL CONSTRUCTION COST	\$ 24,452,911	\$ 29,198,055
TOTAL RIGHT OF WAY COST	\$ 2,946,200	\$ 3,251,950
<b>TOTAL CAPITAL OUTLAY COSTS</b>	<b>\$ 27,400,000</b>	<b>\$ 32,451,000</b>
PA/ED SUPPORT	\$ 3,424,000	\$ 4,088,435
PS&E SUPPORT	\$ 4,402,000	\$ 5,256,218
RIGHT OF WAY SUPPORT	\$ 883,900	\$ 1,055,423
CONSTRUCTION SUPPORT	\$ 4,110,000	\$ 4,907,555
<b>TOTAL SUPPORT COST</b>	<b>\$ 12,820,000</b>	<b>\$ 15,308,000</b>

<b>TOTAL PROJECT COST</b>	<b>\$ 40,250,000</b>	<b>\$ 47,800,000</b>
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Programmed Amount

	<u>Month</u> / <u>Year</u>
Date of Estimate (Month/Year)	10 / 2023
Estimated Construction Start (Month/Year)	7 / 2028
Number of Working Days =	500
Estimated Mid-Point of Construction (Month/Year)	7 / 2029
Estimated Construction End (Month/Year)	7 / 2030
Number of Plant Establishment Days	250

*Estimated Project Schedule*

<i>PID Approval</i>	11/30/2023
<i>PA/ED Approval</i>	1/31/2025
<i>PS&amp;E</i>	1/31/2028
<i>RTL</i>	3/31/2028
<i>Begin Construction</i>	7/31/2028

Reviewed by District O.E. or  
Cost Estimate Certifier

Office Engineer / Cost Estimate Certifier

Date

Phone

Approved by Project Manager

Project Manager

Date

Phone

# I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 2,095,800
2	Pavement Structural Section	\$ 4,180,000
3	Drainage	\$ 950,000
4	Specialty Items	\$ 94,900
5	Environmental	\$ 1,382,600
6	Traffic Items	\$ 2,440,800
7	Detours	\$ -
8	Minor Items	\$ 1,114,500
9	Roadway Mobilization	\$ 1,225,900
10	Supplemental Work	\$ 289,400
11	State Furnished	\$ 613,000
12	Time-Related Overhead	\$ 1,558,100
13	Total Roadway Contingency	\$ 3,986,300
<b>TOTAL ROADWAY ITEMS</b>		<b>\$ 19,931,300</b>

Estimate Prepared By : Marius Gogosanu Project Engineer 10/09/23 408-297-9585  
 Name and Title Date Phone

Estimate Reviewed By : Lan Ho Sr. Project Engineer 10/10/23 408-297-9585  
 Name and Title Date Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

**SECTION 1: EARTHWORK**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
190101	Roadway Excavation	CY	14,333	x	80.00	= \$ 1,146,640
19010X	Roadway Excavation (type Z-2) ADL	CY	2,867	x	300.00	= \$ 860,100
19801X	Imported Borrow	CY/TON		x		= \$ -
194001	Ditch Excavation	CY		x		= \$ -
192037	Structure Excavation (Retaining Wall)	CY		x		= \$ -
193013	Structure Backfill (Retaining Wall)	CY		x		= \$ -
193031	Pervious Backfill Material (Retaining Wall)	CY		x		= \$ -
17010X	Clearing & Grubbing	LS	1	x	59,000.00	= \$ 59,000
100100	Develop Water Supply	LS	1	x	30,000.00	= \$ 30,000
19801X	Imported Borrow	CY/TON		x		= \$ -
190105	Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	CY		x		= \$ -
130730	Street Sweeping	LS		x		= \$ -
<b>TOTAL EARTHWORK SECTION ITEMS</b>						<b>\$ 2,095,800</b>

**SECTION 2: PAVEMENT STRUCTURAL SECTION**

Item code	Unit	Quantity		Unit Price (\$)	=	Cost
401050	Jointed Plain Concrete Pavement	CY		x		= \$ -
400050	Continuously Reinforced Concrete Pavement	CY		x		= \$ -
390132	Hot Mix Asphalt (Type A)	TON	4,880	x	150.00	= \$ 732,000
260203	Class 2 Aggregate Base	CY	9,517	x	90.00	= \$ 856,530
260303	Class 3 Aggregate Base	CY		x		= \$ -
414240	Isolation Joint Seal (Asphalt Rubber)	LF		x		= \$ -
414241	Isolation Joint Seal (Silicone)	LF		x		= \$ -
250201	Class 2 Aggregate Subbase	CY		x		= \$ -
410096	Drill and Bond (Dowel Bar)	EA		x		= \$ -
390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	4,137	x	160.00	= \$ 661,920
390402	Rubberized Hot Mix Asphalt Open Graded	TON	2,758	x	160.00	= \$ 441,280
391006	Asphalt Binder (Geosynthetic Pavement Interlayer)	TON		x		= \$ -
290201	Asphalt Treated Permeable Base	CY		x		= \$ -
374002	Asphaltic Emulsion (Fog Seal Coat)	TON		x		= \$ -
397005	Tack Coat	TON		x		= \$ -
377501	Slurry Seal	TON		x		= \$ -
374493	Polymer Asphaltic Emulsion (Seal Coat)	TON		x		= \$ -
370001	Sand Cover (Seal)	TON		x		= \$ -
731521	Minor Concrete (Sidewalk)	CY		x		= \$ -
730020	Minor Concrete (Curb)	CY		x		= \$ -
39407X	Place Hot Mix Asphalt Dike (Type A)	LF		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
420201	Grind Existing Concrete Pavement	SQYD		x		= \$ -
398300	Remove Base and Surfacing	CY		x		= \$ -
398100	Remove Asphalt Concrete Dike	LF		x		= \$ -
731780	Remove Concrete Sidewalk	SQYD		x		= \$ -
731840	Remove Concrete (Curb and Gutter)	LF		x		= \$ -
394090	Place Hot Mix Asphalt (Miscellaneous Area)	SQYD		x		= \$ -
398200	Cold Plane Asphalt Concrete Pavement	SQYD	33,790	x	3.00	= \$ 101,370
731510	Minor Concrete (Curb, Gutter, Sidewalk and Driveway)	CY	1,541	x	900.00	= \$ 1,386,900
846049	6" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
846051	12" Rumble Strip (Asphalt Concrete Pavement)	STA		x		= \$ -
846052	12" Rumble Strip (Concrete Pavement)	STA		x		= \$ -
420102	Groove Existing Concrete Pavement	SQYD		x		= \$ -
394095	Roadside Paving (Miscellaneous Areas)	SQYD		x		= \$ -
390136	Minor Hot Mix Asphalt	TON		x		= \$ -
198209	Subgrade Enhancement Geotextile (Class B2)	SQYD		x		= \$ -
<b>TOTAL PAVEMENT STRUCTURAL SECTION ITEMS</b>						<b>\$ 4,180,000</b>

**SECTION 3: DRAINAGE**

Item code	Unit	Quantity	Unit Price (\$)	Cost
71013X	Remove Culvert	EA/LF	x	= \$ -
710240	Modify Inlet	EA	x	= \$ -
710370	Sand Backfill	CY	x	= \$ -
71010X	Abandon Culvert	EA/LF	x	= \$ -
710196	Adjust Inlet	LF	x	= \$ -
710262	Cap Inlet	EA	x	= \$ -
510501	Minor Concrete	CY	x	= \$ -
510502	Minor Concrete (Minor Structure)	CY	x	= \$ -
731627	Minor Concrete (Curb, Sidewalk, and Curb Ramp)	CY	x	= \$ -
6101XX	XX" Alternative Pipe Culvert (Insert Type)	LF	x	= \$ -
6411XX	XX" Plastic Pipe	LF	x	= \$ -
65XXXX	XX" Reinforced Concrete Pipe (Insert Type)	LF	x	= \$ -
6811XX	XX" Plastic Pipe (Edge Drain)	LF	x	= \$ -
6901XX	XX" Corrugated Steel Pipe Downdrain (0.XXX" Thick)	LF	x	= \$ -
7006XX	XX" Corrugated Steel Pipe Inlet (0.XXX" Thick)	LF	x	= \$ -
7032XX	XX" Corrugated Steel Pipe Riser (0.XXX" Thick)	LF	x	= \$ -
7050XX	XX" Steel Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY/TON	x	= \$ -
72901X	Rock Slope Protection Fabric (Insert Class)	SQYD	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Drainage (15.0%)	LS	1 x 950,000.00	= \$ 950,000
<b>TOTAL DRAINAGE ITEMS</b>				<b>\$ 950,000</b>

**SECTION 4: SPECIALTY ITEMS**

Item code	Unit	Quantity	Unit Price (\$)	Cost
520103	Bar Reinforced Steel (Retaining Wall)	LB	x	= \$ -
5100XX	Structural Concrete	CY	x	= \$ -
510060	Structural Concrete, Retaining Wall	CY	x	= \$ -
5201XX	Bar Reinforcing Steel	LB	x	= \$ -
080050	Progress Schedule (Critical Path Method)	LS	1 x 10,000.00	= \$ 10,000
582001	Sound Wall (Masonry Block)	SQFT	x	= \$ -
510530	Minor Concrete (Wall)	CY	x	= \$ -
60005X	Remove Sound Wall	LF/LS/SQFT	x	= \$ -
070030	Lead Compliance Plan	LS	1 x 10,000.00	= \$ 10,000
141120	Treated Wood Waste	LB	x	= \$ -
839750	Remove Barrier	LF	x	= \$ -
839752	Remove Guardrail	LF	110 x 35.00	= \$ 3,850
710167	Remove Flared End Section	EA	x	= \$ -
8000XX	Chain Link Fence (Type CL-6)	LF	x	= \$ -
80XXXX	4' Chain Link Gate (Type CL-6)	EA	x	= \$ -
8320XX	Midwest Guardrail System (Wood Post)	LF	x	= \$ -
839301	Single Thrie Beam Barrier	LF	x	= \$ -
839310	Double Thrie Beam Barrier	LF	x	= \$ -
833088	Tubular Railing	LF	355 x 200.00	= \$ 71,000
839566	Terminal System (Type CAT)	EA	x	= \$ -
839584	Alternative In-line Terminal System	EA	x	= \$ -
839585	Alternative Flared Terminal System	EA	x	= \$ -
4906XX	XX" Cast-In-Drilled-Hole Concrete Piling	LF	x	= \$ -
8396XX	Crash Cushion (Insert Type)	EA	x	= \$ -
839643	Concrete Barrier (Type 60MD)	LF	x	= \$ -
475010	Retaining Wall (Masonry Wall)	SQFT	x	= \$ -
511035	Architectural Treatment	SQFT	x	= \$ -
780460	Anti-Graffiti Coating	SQFT	x	= \$ -
803030	Remove Fence (Type BW)	LF	x	= \$ -
4730XX	Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$ -
83954X	Transition Railing (Type X)	EA	x	= \$ -
780440	Prepare and Stain Concrete	SQFT	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
83958X	End Anchor Assembly (Insert Type)	EA	x	= \$ -
<b>TOTAL SPECIALTY ITEMS</b>				<b>\$ 94,900</b>

Effective immediately, districts must input estimated item quantities in blue text above in the PRSM database for the pay items listed in the Design Memo, dated April 9, 2018, when Project Report is approved (Milestone 200). [Link to Design Memo.](#)

**SECTION 5: ENVIRONMENTAL**

**5A - ENVIRONMENTAL MITIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
	LS	1	x 216,774.00 = \$	216,774
80010X Biological Mitigation (on-site)	LF		x = \$	-
130670 Temporary Fence (Insert Type)	LF		x = \$	-
130670 Temporary Reinforced Silt Fence				
<i>Subtotal Environmental Mitigation</i>				<b>\$ 216,774</b>

**5B - LANDSCAPE AND IRRIGATION**

Item code	Unit	Quantity	Unit Price (\$)	Cost
XXXXXX Landscape	LS	1	x 102,000.00 = \$	102,000
20XXXX Irrigation System	LS	1	x 153,000.00 = \$	153,000
204099 Plant Establishment Work	LS	1	x 30,000.00 = \$	30,000
20XXXX Follow-up Landscape Project	LS		x = \$	-
206405 Remove Irrigation Facility	LS		x = \$	-
204096 Maintain Existing Planted Areas	LS		x = \$	-
206400 Check and Test Existing Irrigation Facilities	LS		x = \$	-
21011X Imported Topsoil	CY/TON		x = \$	-
200114 Rock Blanket	SQFT/SQYD		x = \$	-
200122 Weed Germination	SQYD		x = \$	-
995100 Water Meter Charges	LS		x = \$	-
2087XX XX" Conduit (Use for Irrigation x-overs)	LF		x = \$	-
20890X Extend X" Conduit (Use for Extension of Irrigation)	LF		x = \$	-
<i>Subtotal Landscape and Irrigation</i>				<b>\$ 285,000</b>

**5C - EROSION CONTROL**

Item code	Unit	Quantity	Unit Price (\$)	Cost
21XXXX Erosion Control/DPP BMPs	LS	1	x 440,000.00 = \$	440,000
210010 Move-In/Move-Out (Erosion Control)	EA		x = \$	-
210350 Fiber Rolls	LF		x = \$	-
210360 Compost Sock	LF		x = \$	-
2102XX Rolled Erosion Control Product (Insert Type)	SQFT		x = \$	-
21025X Bonded Fiber Matrix	SQFT/ACRE		x = \$	-
210300 Hydromulch	SQFT		x = \$	-
210420 Straw	SQFT		x = \$	-
210430 Hydroseed	SQFT		x = \$	-
210610 Compost	CY		x = \$	-
210630 Incorporate Materials	SQFT		x = \$	-
<i>Subtotal Erosion Control</i>				<b>\$ 440,000</b>

**5D - NPDES**

Item code	Unit	Quantity	Unit Price (\$)	Cost
130300 Prepare SWPPP	LS		x = \$	-
130200 Prepare WPCP	LS		x = \$	-
130100 Job Site Management	LS		x = \$	-
130330 Storm Water Annual Report	EA		x = \$	-
130310 Rain Event Action Plan	EA		x = \$	-
130320 Storm Water Sampling and Analysis Day	EA		x = \$	-
130520 Temporary Hydraulic Mulch	SQYD		x = \$	-
130550 Temporary Hydroseed	SQYD		x = \$	-
130505 Move-In/Move-Out (Temporary Erosion Control)	EA		x = \$	-
130640 Temporary Fiber Roll	LF		x = \$	-
130900 Temporary Concrete Washout	LS		x = \$	-
130710 Temporary Construction Entrance	EA		x = \$	-
130610 Temporary Check Dam	LF		x = \$	-
130620 Temporary Drainage Inlet Protection	EA		x = \$	-
130730 Street Sweeping	LS		x = \$	-
13XXXX Temporary Construction BMPs	LS	1	x 440,800.00 = \$	440,800
<i>Subtotal NPDES</i>				<b>\$ 440,800</b>

<b>TOTAL ENVIRONMENTAL</b>	<b>\$ 1,382,600</b>
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**Supplemental Work for NPDES**

066595 Water Pollution Control Maintenance Sharing*	LS		x = \$	-
066596 Additional Water Pollution Control**	LS		x = \$	-
066597 Storm Water Sampling and Analysis***	LS		x = \$	-
XXXXXX Some Item	LS		x = \$	-
<i>Subtotal Supplemental Work for NDPS</i>				<b>\$ -</b>

\*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

\*\*Applies to both SWPPPs and WPCP projects.

\*\*\* Applies only to project with SWPPPs.

**SECTION 6: TRAFFIC ITEMS**

**6A - Traffic Electrical**

Item code	Unit	Quantity	Unit Price (\$)	Cost
870200 Lighting System	LS	1	x 324,000.00 = \$	324,000
870300 Sign Illumination System	LS		x = \$	-
870400 Signal and Lighting System	LS	1	x 1,200,000.00 = \$	1,200,000
870510 Ramp Metering System	LS		x = \$	-
87181X Interconnection Conduit and Cable	LF/LS		x = \$	-
5602XX Furnish Sign Structure (Insert Type)	LB		x = \$	-
5602XX Install Sign Structure (Insert Type)	LB		x = \$	-
4980XX XX" CIDHC Pile (Sign Foundation)	LF		x = \$	-
87011X Inductive Loop Detector	EA/LS		x = \$	-
870600 Traffic Monitoring Station System	LS		x = \$	-
56804X Remove Sign Structure	EA/LS		x = \$	-
568054 Reconstruct Sign Structure	EA		x = \$	-
568060 Modify Sign Structure	EA		x = \$	-
870009 Construction	LS		x = \$	-
86XXX Fiber Optic Conduit System	LS		x = \$	-
870700 Flashin Beacon System	LS	1	x 80,000.00 = \$	80,000
<b>Subtotal Traffic Electrical</b>				<b>\$ 1,604,000</b>

**6B - Traffic Signing and Striping**

Item code	Unit	Quantity	Unit Price (\$)	Cost
820840 Roadside Sign - One Post	EA	35	x 350.00 = \$	12,250
820850 Roadside Sign - Two Post	EA		x = \$	-
5602XX Furnish Sign Structure (Insert Type)	SQFT		x = \$	-
820890 Install Sign Panel on Existing Frame	SQFT		x = \$	-
846020 Remove Painted Traffic Stripe	LF		x = \$	-
846030 Remove Thermoplastic Traffic Stripe	LF	22,060	x 1.00 = \$	22,060
141102 Remove Yellow Painted Traffic Stripe (Hazardous Waste)	LF		x = \$	-
141103 Remove Yellow thermoplastic Traffic Stripe (Hazardous Waste)	LF		x = \$	-
846035 Remove Thermoplastic Pavement Marking	SQFT	1,517	x 3.00 = \$	4,551
846025 Remove Painted Pavement Marking	SQFT		x = \$	-
820250 Remove Roadside Sign	EA		x = \$	-
820530 Reset Roadside Sign	EA		x = \$	-
820610 Relocate Roadside Sign	EA	2	x 300.00 = \$	600
8101XX Delineator (Insert Class)	EA		x = \$	-
840502 Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	51,430	x 3.00 = \$	154,290
846012 Thermoplastic Crosswalk and Pavement Marking (Enhanced Wet Night Visibility)	SQFT	17,324	x 5.00 = \$	86,620
120090 Construction Area Signs	LS	1	x 50,000.00 = \$	50,000
XXXXX Roadside Sign - Posts and Panels	LS		x = \$	-
<b>Subtotal Traffic Signing and Striping</b>				<b>\$ 330,371</b>

**6C - Traffic Management Plan**

Item code	Unit	Quantity	Unit Price (\$)	Cost
12865X Portable Changeable Message Sign	EA		x = \$	-
XXXXX TMP	LS	1	x \$ 158,400 = \$	158,400
<b>Subtotal Traffic Management Plan</b>				<b>\$ 158,400</b>

**6C - Stage Construction and Traffic Handling**

Item code	Unit	Quantity	Unit Price (\$)	Cost
120198 Plastic Traffic Drums	EA		x = \$	-
12016X Channelizer (Insert Type)	EA		x = \$	-
120116 Type II Barricade	EA		x = \$	-
120120 Type III Barricade	EA		x = \$	-
129100 Temporary Crash Cushion Module	EA		x = \$	-
120100 Traffic Control System	LS	1	x 348,000.00 = \$	348,000
XXXXX Traffic Handlig Items	LS		x = \$	-
129110 Temporary Crash Cushion	EA		x = \$	-
129000 Temporary Railing (Type K)	LF		x = \$	-
120149 Temporary Pavement Marking (Paint)	SQFT		x = \$	-
120152 Temporary Pavement Marking (Tape)	SQFT		x = \$	-
129102A Temporary Alternative Crash Cushion System	EA		x = \$	-
<b>Subtotal Stage Construction and Traffic Handling</b>				<b>\$ 348,000</b>

<b>TOTAL TRAFFIC ITEMS</b>	<b>\$ 2,440,800</b>
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**SECTION 7: DETOURS**

Includes constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
190101	Roadway Excavation	CY	x	= \$ -
19801X	Imported Borrow	CY/TON	x	= \$ -
390132	Hot Mix Asphalt (Type A)	TON	x	= \$ -
26020X	Class 2 Aggregate Base	CY/TON	x	= \$ -
250401	Class 4 Aggregate Subbase	CY	x	= \$ -
130620	Temporary Drainage Inlet Protection	EA	x	= \$ -
129000	Temporary Railing (Type K)	LF	x	= \$ -
128601	Temporary Signal System	LS	x	= \$ -
120149	Temporary Pavement Marking (Paint)	SQFT	x	= \$ -
80010X	Temporary Fence (Insert Type)	LF	x	= \$ -
XXXXXX	Some Item	LS	x	= \$ -
<b>TOTAL DETOURS</b>				<b>\$ -</b>

SUBTOTAL SECTIONS 1 through 7 \$ 11,144,100

**SECTION 8: MINOR ITEMS**

**8A - Americans with Disabilities Act Items**

ADA Items \$ -

**8B - Bike Path Items**

Bike Path Items \$ -

**8C - Other Minor Items**

Other Minor Items 10.0% \$ 1,114,410

Total of Section 1-7 \$ 11,144,100 x 10.0% = \$ 1,114,410

**TOTAL MINOR ITEMS \$ 1,114,500**

**SECTIONS 9: ROADWAY MOBILIZATION \***

Item code 999990 Total Section 1-8 \$ 12,258,600 x 10% = \$ 1,225,860

**TOTAL ROADWAY MOBILIZATION \$ 1,225,900**

**SECTION 10: SUPPLEMENTAL WORK**

Item code	Unit	Quantity	Unit Price (\$)	Cost
066670	Payment Adjustments For Price Index Fluctuations	LS	x 17,180.00	= \$ 17,180
066094	Value Analysis	LS	x 10,000.00	= \$ 10,000
066070	Maintain Traffic	LS	x 200,000.00	= \$ 200,000
066919	Dispute Resolution Board	LS	x 7,500.00	= \$ 7,500
066921	Dispute Resolution Advisor	LS	x 5,000.00	= \$ 5,000
066393	Hot Mix Asphalt Smoothness Incentive	LS	x 29,700.00	= \$ 29,700
066610	Partnering	LS	x 20,000.00	= \$ 20,000
066204	Remove Rock and Debris	LS	x	= \$ -
066222	Locate Existing Crossover	LS	x	= \$ -
XXXXXX	Some Item	Unit	x	= \$ -

Cost of NPDES Supplemental Work specified in Section 5D = \$ -

Total Section 1-8 1% = \$ -

**TOTAL SUPPLEMENTAL WORK \$ 289,400**



**SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES**

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
066105	Resident Engineers Office	LS		x	=	\$0
066063	Traffic Management Plan - Public Information	LS		x	=	\$0
066901	Water Expenses	LS		x	=	\$0
8609XX	Traffic Monitoring Station (X)	LS		x	=	\$0
066841	Traffic Controller Assembly	LS		x	=	\$0
066840	Traffic Signal Controller Assembly	LS		x	=	\$0
066062	COZEEP Contract	LS		x	=	\$0
066838	Reflective Numbers and Edge Sealer	LS		x	=	\$0
066065	Tow Truck Service Patrol	LS		x	=	\$0
066916	Annual Construction General Permit Fee	LS		x	=	\$0
066876	Loop Detector Sensor Units	LS		x	=	\$0
Total Section 1-8			\$ 12,258,600	5%	= \$	612,930

<b>TOTAL STATE FURNISHED</b>	<b>\$613,000</b>
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**SECTION 12: TIME-RELATED OVERHEAD**

Total of Roadway and Structures Contract Items excluding Mobilization \$15,580,600 (used to calculate total TRO)

Estimated Time-Related Overhead (TRO) Percentage (0% to 10%) = 10%

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
090100	Time-Related Overhead	WD	500	X \$3,116	=	\$1,558,100

<b>TOTAL TIME-RELATED OVERHEAD</b>	<b>\$1,558,100</b>
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**SECTION 13: ROADWAY CONTINGENCY\***

Risk Amount from Risk Register		(for Known Risks)	0%		
Additional or Residual Contingency		(for Unknown/Undefined Risks)	25%		\$3,986,250
Total Section 1-12	\$	15,945,000	x	<span style="border: 1px solid black; padding: 2px;">25%</span>	= \$3,986,250
<b>TOTAL CONTINGENCY*</b>					<b>\$3,986,300</b>

**II. STRUCTURE ITEMS**

			<u>RW WALLS</u>		<u>RW WALLS</u>
DATE OF ESTIMATE			04/26/23		04/26/23
Bridge Name					
Bridge Number					
Structure Type			Type 5 (Mod)		Soil Nail
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)			6720		7240
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot			\$225		\$250
<b>COST OF EACH</b>			<b>\$1,512,000</b>		<b>\$1,810,000</b>

DATE OF ESTIMATE					
Bridge Name					
Bridge Number					
Structure Type					
Width (Feet) [out to out]					
Total Bridge Length (Feet)					
Total Area (Square Feet)					
Structure Depth (Feet)					
Footing Type (pile or spread)					
Cost Per Square Foot					
<b>COST OF EACH</b>			<b>\$0</b>		<b>\$0</b>

\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	5	0	6	0

<b>TOTAL COST OF WALLS</b>	<b>\$3,322,000</b>
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<b>TOTAL COST OF BUILDINGS</b>	<b>\$0</b>
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<b>Time-Related Overhead</b>	0%	
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<b>STRUCTURES MOBILIZATION</b>	10%	<b>\$369,111</b>
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<b>STRUCTURES CONTINGENCY*</b>	25%	<b>\$830,500</b>
<b>BRIDGE REMOVAL (Contingency Incl)</b>		

<b>TOTAL COST OF STRUCTURES</b>	<b>\$4,521,611</b>
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Estimate Prepared By: Marius Gogosanu  
AECOM

4/26/2023  
Date

**III. RIGHT OF WAY**

Fill in all of the available information from the Right of Way Data Sheet.

			<i>Current Value Future Use</i>		<i>Escalated Value</i>
A)	A1)	Acquisition, including Excess Land, Fees, Damages, Goodwill	\$ 1,234,400	\$	1,362,547
	A2)	Acquisition of Offsite Mitigation	\$ 0	\$	0
	A3)	Railroad Acquisition	\$ 0	\$	0
B)	B1)	Utility Relocation (Local Share)	\$ 1,711,704	\$	1,889,401
	B2)	Potholing (Design Phase)	\$	\$	
C)		Utility - Advance Engineering Estimate (Encumber with State Only Funds)	\$ 0	\$	0
D)		RAP and/or Last Resort Housing	\$ 0	\$	0
E)		Clearance & Demolition	\$ 0	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$ 0	\$	0
G)		Title and Escrow	\$	\$	
H)		Environmental Review	\$	\$	
I)		Condemnation Settlements <u>0%</u>	\$ 0	\$	0
J)		Design Appreciation Factor <u>0%</u>	\$ 0	\$	0
K)		Utility Relocation (Construction Cost)	\$ 0	\$	0
L)		Grantor's Appraisal Cost	\$	\$	
M)	<b>TOTAL RIGHT OF WAY ESTIMATE</b>				<b>\$2,946,200</b>
N)	<b>TOTAL R/W ESTIMATE: Escalated</b>				<b>\$3,251,950</b>
O)	<b>RIGHT OF WAY SUPPORT</b>				<b>\$883,900</b>

Support Cost Estimate Prepared By \_\_\_\_\_  
 Project Coordinator<sup>1</sup> Phone \_\_\_\_\_

Utility Estimate Prepared By \_\_\_\_\_  
 Utility Coordinator<sup>2</sup> Phone \_\_\_\_\_

R/W Acquisition Estimate Prepared By \_\_\_\_\_  
 Right of Way Estimator<sup>3</sup> Phone \_\_\_\_\_

Note: Items G & H applied to items A + B

<sup>1</sup> When estimate has Support Costs only

<sup>2</sup> When estimate has Utility Relocation

<sup>3</sup> When R/W Acquisition is required

## Attachment – D

### Traffic Engineering Performance Assessment (TEPA)

# MOSS BEACH STATE ROUTE 1 CONGESTION & SAFETY IMPROVEMENTS PROJECT

## Traffic Engineering Performance Assessment (TEPA) Report

### Introduction

#### Project Description:

The County of San Mateo (County), in cooperation with the San Mateo County Transportation Authority (SMCTA) and the California Department of Transportation (Caltrans) is initiating the Moss Beach State Route 1 Congestion and Safety Improvements Project (project) in the unincorporated community of Moss Beach in San Mateo County.

The project proposes to modify the State Route (SR) 1 from 0.2 miles south of Cypress Avenue at post mile (PM) 34.8 to 0.1 miles north of 16th Street (PM 35.9) for approximately 1.1 miles. It includes portions of Cypress Avenue, California Avenue, Wienke Way and 16th Street.

The project would propose change in intersection control at the intersections of SR 1/ Cypress Avenue, SR 1/California Avenue and SR 1/16th Street. The intersections at SR 1 with Vermont Avenue, Virginia Avenue, Etheldore Street, Vallemar Street and Wienke Way would also be improved. In addition, improvements related to upgrading traffic control and traffic calming devices to ensure a safe overall design and operation within this segment of SR 1 are recommended.

The project would include bicycle and pedestrian improvements such as installing sidewalks or pathways on the west side of SR 1 from Marine Boulevard to Vallemar Street; a separated bicycle/pedestrian trail on the east side of SR 1 from Marine Boulevard to Etheldore Street; Class II Bike Lanes on SR 1; high-visibility crosswalks; and bus stop improvements. The Project would also include the necessary signage and pavement markings to implement changes to the operation of the roadway.

### Purpose AND NEED

#### Purpose:

The purpose of this project is to improve multi-modal operations and safety along the project segment of SR 1 in each direction that fulfills the following:

- Improve the operations and safety for all users at key intersections;
- Improve pedestrian and bicycle facilities;
- Encourage environmentally friendly transportation options that reduce car trips, such as walking, biking and public transit; and;
- Improve vehicular traffic and multimodal connections to coastal resources for both residents and visitors

**Need:**

SR 1 in Moss Beach is a heavily travelled State highway with a posted speed limit of 50 miles per hour. Several smaller roadways intersect with SR 1 that serve residents and provide access to housing, shopping, dining, beaches and other recreation facilities, and government services. Vehicles traveling at high rate of speeds present challenging conditions for residents and visitors alike. Currently there are inadequate crosswalks along SR 1 within the project limits for pedestrian to safely cross SR 1. Similarly the bicycle facilities are inadequate.

Deficient pedestrian and bicycle facilities along the corridor, conflicting vehicular movements at minor intersections with SR 1, and congestion and delay at key intersections lead to safety concerns for pedestrian and bicyclist crossings of SR 1.

Cypress Avenue provides access to Fitzgerald Marine Reserve, Moss Beach Distillery, Pillar Point Bluff, and the future proposed Big Wave Development (which includes housing, office, and industrial land uses). California Avenue provides access to the central Moss Beach shopping district and the Post Office (where all residents and businesses get their mail since door-to-door delivery is not provided). 16th Street provides access to the Point Montara Lighthouse and Montara Water and Sanitary District and connects to Carlos Street where the future Cypress Point 71-unit housing development may be located.

***Vehicles***

It is difficult for vehicles to enter or cross SR 1 from intersecting streets since traffic on SR 1 does not have to stop and travel at high rates of speed. There are no four-way stop-controlled intersections within the Project limits and the nearest signal-controlled intersections are 1.9 miles south (at SR 1/Capistrano Road) and 2.6 miles north (just before the Devil's Slide tunnel entrance). Vehicles on intersecting streets typically wait for up to approximately 2 minutes to enter or cross SR 1 during the peak hours. This leads to long queues on intersecting streets and contributes to the most crashes from vehicles entering the roadway when they do not have the right of way.

***Transit***

There is a SamTrans bus stop for the Route 117 and Route 18 buses located on Cypress Avenue 100 feet southwest of SR 1, and another stop on southbound SR 1 for Route 117 about 100 feet south of 16th Street. The buses have unpredictable travel times due to the difficulty of turning left from Cypress Avenue onto SR 1 and the other difficulties described above.

***Pedestrians and Bicyclists***

Pedestrians have difficulty crossing SR 1. There is only one marked pedestrian crossing within the Project limits, and it is at an uncontrolled location (meaning there is no light or signal which stops traffic for pedestrians to cross). SR 1 has no designated bicycle or pedestrian facility and there are no parallel paths to support bicyclists or pedestrians in or near the Project limits.

## Report Purpose

This report will serve as a Traffic Engineering Performance Assessment (TEPA) required for the Project Study Report-Project Development Support (PSR-PDS). This TEPA was prepared using readily available information to identify the potential benefits and deficiencies of the proposed project to establish a potential scope of work needed for traffic analysis during the Project Approval and Environmental Document (PA&ED) phase. Detailed traffic studies and analysis will be completed during the PA&ED phase to demonstrate how each alternative meets the project's purpose and need.

## Traffic Study Area

The Project's study area is from just north of 16th Street to just south of Marine Boulevard along Highway 1.

**Figure 1** below shows the project location and study limits.

Figure 1: Project Location and Study Area





## Data Sources and Reference Documents

- Geometry – Field visit and Aerials (from October 20, 2022)
- Volumes – Caltrans Census including average daily trips (ADTs) & Truck data (for year 2017), and studies like Cypress Point TIA (July 2022), Connect the Coastside (October 2021), Intersection Control Evaluation (ICE) analysis (prepared during Feasibility study<sup>1</sup>)
- Queues – Field observations, and above studies/sources
- Crash Data – TASAS data for the 3-year period (between January 1, 2017 and December 31, 2019); SWITRS data for the 3-year period (between January 1, 2020 and December 31, 2022)

## Existing Conditions

This section describes the current operating conditions of the traffic study area using readily available data.

### Existing Roadway Network:

**State Route (SR) 1** is a major north-south corridor that runs 656 miles along California’s Pacific Ocean coast. Designated an “All-American” scenic road by the Federal Highway Administration for its cultural, recreational, and scenic qualities. SR 1 is the longest State Route in California, extending through 12 counties. It begins at Interstate 5 (I-5) near Dana Point in Orange County and terminates at the junction with U.S. Highway 101 (US 101) in Mendocino County. Besides providing a scenic route to numerous attractions along the coast, in the San Francisco Bay Area the route serves as a major thoroughfare in the populated cities and towns near San Francisco. In Caltrans District 4, SR 1 runs from the San Mateo / Santa Cruz County line in the south through San Mateo, San Francisco, Marin, and Sonoma Counties, terminating at the Sonoma/Mendocino County line. It is further divided at the Golden Gate Bridge as “SR 1 North” and “SR 1 South.” San Mateo and San Francisco Counties fall within SR 1 South.

The SR 1 corridor through San Mateo and San Francisco Counties is a scenic coastal route, linking the communities of Pescadero, Half Moon Bay, El Granada, Moss Beach, Montara, Pacifica, Daly City, and San Francisco.

State Route 1 in the vicinity is a two-lane highway running north-south. State Route 1 provides the only access to Moss Beach, connecting it to destinations in the north such as San Francisco and to destinations to the south such as Half Moon Bay. Conditions vary from rural, undeveloped surroundings, where traffic movement is typically free, to more urbanized settings in the central community areas, with cross traffic, parking, driveway access, and periods of congestion during school and work commute times. There are periods of gridlock on weekends with clear weather and during annual events at Half Moon Bay Airport, Pillar Point Harbor and the City of Half Moon Bay. The project study area is from south of Marina Boulevard to north of

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<sup>1</sup> ICE Memos for:  
Cypress Ave (10-3-17)  
16th Street (7-8-21)  
California Ave (7-8-21)

16th Street along SR 1; SR 1 has two-lanes with left-turn pockets at the intersections. Posted speed limit on SR 1 is 50 miles per hour (MPH) within the Moss Beach area.

**Cypress Avenue** is a two-lane, two-way east-west local street that connects Etheldore Street to the east and Moss Beach to the west. Cypress Avenue has no pavement markings, no sidewalks, and no bicycle accommodations. There are two bus stops along the west leg of Cypress Avenue and is served by two bus routes (Routes 18 and 117). Cypress Avenue provides access to residential developments and has approximate speed of 25 miles per hour (MPH). The intersection of Highway 1 and Cypress Avenue is currently minor-approach stop-controlled, where Cypress Avenue is stop controlled and Highway 1 runs free.

**Vermont Avenue** is a two-lane, two-way east-west local street that connects Etheldore Street to the east and Moss Beach to the west. West leg of Vermont Avenue includes intermittent paved sidewalks on its north side and continuous paved sidewalks on its south side. Vermont Avenue has no pavement markings, and no bicycle accommodations. Vermont Avenue provides access to residential and commercial developments and has approximate speed of 25 miles per hour (MPH). The intersection of Highway 1 and Vermont Avenue is currently minor-approach stop-controlled, where Vermont Avenue is stop controlled and Highway 1 runs free.

**Virginia Avenue** is a two-lane, two-way east-west local street that connects Etheldore Street to the east and Moss Beach to the west. West leg of Virginia Avenue includes intermittent paved sidewalks on its north side and south side. Virginia Avenue has no pavement markings, and no bicycle accommodations. Virginia Avenue provides access to residential and retail developments and has approximate speed of 25 miles per hour (MPH). The intersection of Highway 1 and Virginia Avenue is currently minor-approach stop-controlled, where Virginia Avenue is stop controlled and Highway 1 runs free. There is a marked pedestrian crosswalk across Hwy1 at the south leg of this intersection.

**California Avenue** is a two-lane, two-way east-west local street that connects to Carlos Street and Etheldore Street in the east and ends at Lake Street in the west. California Avenue includes intermittent paved sidewalks on its north side and no sidewalks on its south side except for the Sheriff's office. California Avenue provides access to residential and commercial developments and has approximate speed of 25 miles per hour (MPH). The intersection of Highway 1 and California Avenue and Wienke Way is currently minor-approach stop-controlled, where California Avenue and Wienke Way are stop controlled and Highway 1 runs free. Wienke way is a small unstriped roadway that approaches southbound Highway 1 at a sharp angle that provides access to a small residential neighborhood. There are no bicycle or pedestrian facilities along Wienke Way.

**Etheldore Street** is a two-lane, two-way local street east of Highway 1. This street extends through Moss Beach community from Highway 1/Vallemar Street intersection to Highway 1 further south, outside of the study limits. Etheldore Street includes intermittent paved sidewalks on its south side and no sidewalks on its north side. Etheldore Street provides access to residential and commercial developments and has approximate speed of 25 miles per hour (MPH). The intersection of Highway 1 and Etheldore Street is currently minor-approach stop-

controlled, where Etheldore Street is stop controlled and Highway 1 runs free. SamTrans Route 117 and Route 18 have several stops along Etheldore Street in both directions.

**Carlos Street** is a narrow two-way local street that runs parallel to State Route 1. Carlos Street extends between Vermont Street and south of 16<sup>th</sup> Street. Carlos Street intersects at Virginia Avenue, California Avenue, Etheldore Street, Admiral Street and Sierra Street. The intersections of Carlos Street and California Avenue, Carlos Street and Etheldore Street is minor-approach stop-controlled, where Carlos Street is stop controlled. At all other locations where Carlos Street intersects with other cross streets, no intersection control exists. Carlos Street has no pavement markings, on-street parking, sidewalks, or bicycle accommodations.

Further south in the commercial area of Moss Beach near California Avenue, Carlos Street includes bicycle pavement markings, on-street parking, and sidewalks on one side. Speed along Carlos Street is approximately 25 miles per hour (MPH).

**16th Street** is a two-lane, two-way local east-west connection that terminates to the east of SR 1 and connects to the Moss Beach to the west. 16th Street provides access to Point Montara Lighthouse and has no pavement markings, no sidewalks, and no bicycle accommodations. Speed along 16<sup>th</sup> Street is approximately 25 miles per hour (MPH). The intersection of Highway 1 and 16th Street in Moss Beach, California, is currently minor-approach stop-controlled, where 16th Street is stop controlled and Highway 1 runs free.

## Transit Service

The Project site is served by two bus routes (Routes 18 and 117) operated by SamTrans transit service. A description of each route, with the closest stops to the project site, is provided below.

### Route 18

SamTrans route 18 operates between Main Street/7th Street in Montara and Moonridge Apartments in Half Moon Bay. This bus operates on weekdays only and is a school-oriented route only; AM bus travels Northbound and PM bus travels Southbound. The route travels east-west along Cypress Avenue and north-south along Etheldore Street and includes stops (in both directions) at Cypress Avenue, Etheldore Street/Marine Boulevard, and Sunshine Valley Road / Etheldore Street intersection within the vicinity of project area.

### Route 117

SamTrans route 117 operates between Linda Mar Park N Ride in Pacifica and Moonridge Apartments in Half Moon Bay. The route travels east-west along Cypress Avenue and north-south along Etheldore Street and includes stops (in both directions) at Cypress Avenue, Etheldore Street/Marine Boulevard, Sunshine Valley Road / Etheldore Street, Etheldore Street/Vermont Avenue, Etheldore Street/California Avenue, and Highway 1/ Carlos Street intersection within the vicinity of project area.

Figure 2: Transit Routes/Stops



## Field Observations:

Traffic conditions in the field were observed in order to identify existing operational deficiencies. It is observed that, in the project area, the weekend and holiday traffic volume including ped/bike is higher than the weekday AM and PM peak hours.

Currently, there are no signalized/roundabout/all-way stop controlled intersections along Highway 1 within the project area. All the intersections are two-way stop control (TWSC), where side streets are stop controlled and Highway 1 is uncontrolled.

The stop-controlled approaches experience long delays due to the free-flowing nature of Highway 1. It is difficult for drivers, especially left-turning vehicles, to enter Highway 1 as the high volumes and high speeds on the highway does not provide sufficient gaps for safe entry.

Throughout Moss Beach, there are closely spaced intersections with shops, restaurants, parks, residential roads, and driveways on, or adjacent to, Highway 1. Motorists traveling in both directions along Hwy 1 enter the town of Moss Beach at high speeds (50 mph is the posted speed limit). The speeds of motorists pose a challenge for vehicles accessing the highway from side streets and driveways and for pedestrians and bicyclists throughout Moss Beach. No traffic-calming features alert drivers to changing land use. Though no designated on-street parking stalls were observed, on-street parking was observed at all the cross streets in front of the residences.

No designated pedestrian crossings for those crossing the highway except at Virginia Avenue within the vicinity of the project; however, pedestrians cross the Highway at several locations:

At Cypress Avenue, visitors and residents cross the highway to access the Seal Cove neighborhood, the Pillar Ridge Manufactured Home Community, Pillar Point Bluffs, and Fitzgerald Marine Reserve on the west side. Also, the users of the bus stop on Cypress Avenue west of Highway 1 also need to cross the highway to access the neighborhoods on the east side of Highway 1.

Similarly, at Virginia and California Streets, pedestrians cross Highway 1 to access the Fitzgerald Marine Reserve, the shops, and restaurants on both sides of Highway 1, and Moss Beach Park, which is on the east side of Highway 1.

At 16th Street, residential neighborhoods are east of Highway 1. An unpaved path that runs parallel to the highway northbound lane is the only bicycle and pedestrian path connecting Montara and Moss Beach. On the west side of the highway, there is an existing bus stop just south of the intersection of Highway 1 and 16th Street. The Montara Water and Sanitary District and the Montara Lighthouse Hostel are on the west side of Highway 1 at 16th Street. Transit users cross the highway to access the residential neighborhood.

From the pedestrian crossing data at intersections, it is observed that the crossing activity is not predominant at Virginia Avenue where there is crosswalk/flashing beacons provided. Also, from the Collision data at intersections, it is observed that no pedestrian involved collisions occurred at the intersections with/without the crosswalk. However, from the field observations, it is found that the high speeds and improper turns pose risk to the pedestrians under current conditions.

There are no existing designated bike facilities within the study area. The bikers traveling is predominantly the through movements along northbound and southbound highway.

## Lane Geometry and Traffic Volumes

The layout of study intersections, geometry, and count volumes<sup>2</sup> are shown in **Figures 3 and 4** below. The actual count sheets are included in Attachment A for reference.

It is observed from the count volumes that the weekend volumes are high compared to weekday AM/PM volumes. Also, no northbound/southbound Hwy 1 directional dominance is observed during the peak hours; both directions carry similar volumes. The heavy and high-speed traffic along Hwy 1 doesn't leave many gaps for conflicting movements to maneuver through the intersection.

Hwy 1 ADT is approximately 17,000 with 7.6% trucks according to 2017 Caltrans Census counts.

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<sup>2</sup> Available data from various sources were used for understanding the existing traffic volumes at the study intersections. It is observed that 2019 counts were less when compared to 2017 counts; hence used 2017 counts for the purposes of this study at all the study intersections except at Cabrillo Hwy/Vermont Ave, and Cabrillo Hwy/Virginia Ave where 2014 counts were used.

Weekday AM Peak Hour - 7:45 AM -8:45 AM; Weekday PM Peak Hour - 4:45 PM - 5:45 PM; Weekend Midday Peak Hour - 11:55 AM - 12:55 PM is shown for all study intersections except at Cabrillo Hwy/Cypress Ave (11:30 AM - 12:30 PM is shown for this). For Cabrillo Hwy/Vermont Ave, and Cabrillo Hwy/Virginia Ave weekend Midday Peak Hour, the volumes are. These counts are taken from Synchro outputs from Connect the Coastside Project.

Figure 3: Project Study intersections strip map

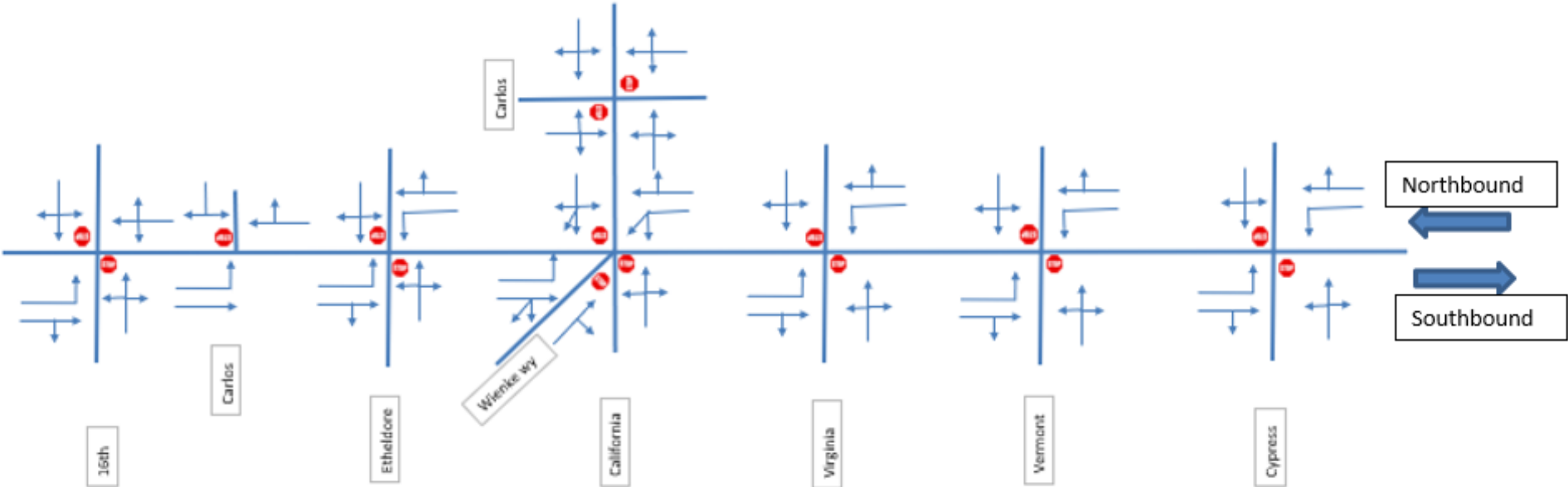
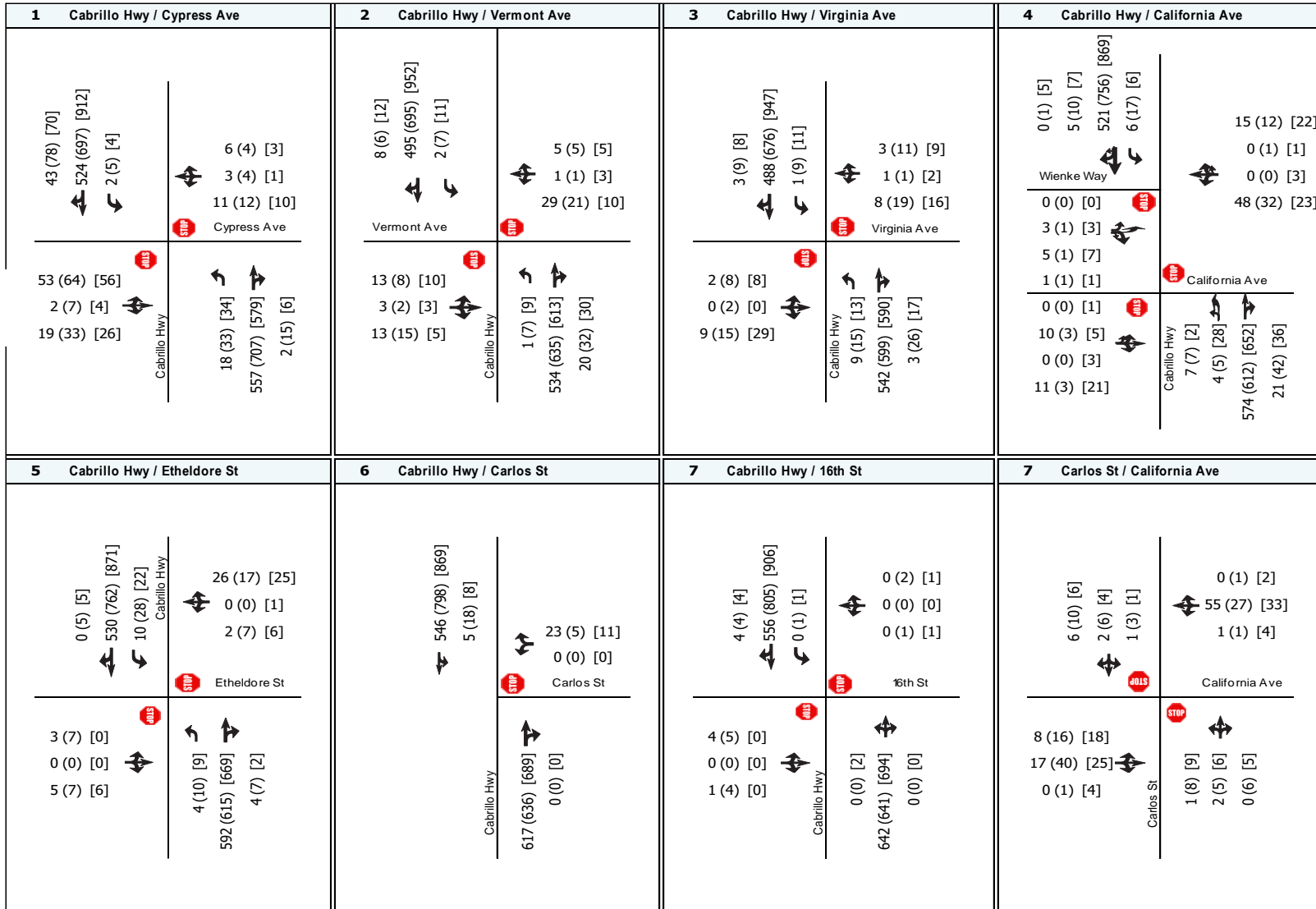


Figure 4: Count volumes



XX (YY) [ZZ] - AM (PM) [Weekend Midday] Peak Hour Volumes

MOSS BEACH STATE ROUTE 1 CONGESTION & SAFETY IMPROVEMENTS PROJECT

Travel Lanes Stop Sign



## Crash Data

Crash data for a 5-year period (between January 1, 2018, and December 31, 2022) from the Caltrans Traffic Accident Surveillance and Analysis System (TASAS) is provided below for Hwy 1 within the project study limits. **Table 1** shows the accident data summary.

It is observed from the data that the Hwy 1 actual rate of fatal and injury related crashes is above the average for similar facilities statewide.

**Table 1: TASAS Table B Crash Rates (January 1, 2018 – December 31, 2022)**

Segment	No. of Crashes				ACTUAL Rates (per million vehicle miles)			AVERAGE Rates (per million vehicle miles)		
	TOT	FAT	INJ	PDO	Fatal Crash	Fatal+ Injury Crash	Total (1)	Fatal Crash	Fatal+ Injury Crash	Total (1)
SM-1-PM 35.00-35.90	30	1	11	18	0.039	0.46	1.16	0.015	0.39	0.96

(1) All reported crashes (includes Property Damage Only (PDO) crashes)

Detailed analysis of the above data shows that the primary crash factors in the segment were:

- 4 (13.3%) Influence Alcohol
- 12 (40.0%) Failure to Yield
- 8 (26.7%) Improper Turn
- 3 (10.0%) Speeding
- 3 (10.0%) Other Violations

The type of crashes included:

- 4 (13.3%) Head-On
- 3 (10.0%) Sideswipe
- 4 (13.3%) Rear End
- 12 (40.0%) Broadside
- 7 (23.4%) Hit Object

There are 18 Property Damage Only accidents reported, and one Fatal crash happened within the study segment along Hwy 1. Failure to Yield is the LEADING primary crash factor for most of the crashes and resulted in mainly Broadside crashes which indicate the primary issue along the study area – which is, continuous high-speed traffic along Hwy 1 not providing gaps for side street traffic.

## Build Alternatives

Based on discussions with the Project Team, two alternatives with variation to one of the alternatives (total three build concepts) are proposed for this Project to satisfy the Project purpose and need.

1. Build Alternative 1- Roundabouts at Cypress and California Ave and Signal at 16<sup>th</sup> Street

Option A - Raised Median  
Option B – No Raised Median

2. Build Alternative 2- Signals at Cypress Ave, California Ave and 16th Street

**Build Alternative 1 (Option A)** proposes a roundabout on SR 1 at Cypress Avenue, a roundabout on SR 1 at California Avenue, and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. These would be either single-lane or two-lane roundabouts. The existing median left-turn lane between Cypress Avenue and Wienke Way would be removed and replaced with a variable-width raised median to reduce vehicle speeds and increase safety along SR 1 between Cypress Avenue and California Avenue. Wienke Way would be realigned to intersect SR 1 at a 90-degree angle.

The conceptual plan for Alternative 1 (Option A) included in Attachment B shows a single lane-roundabout on SR 1 at Cypress Avenue, a single-lane roundabout on SR 1 at California Avenue, and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. The three intersections would be reconstructed with new pavement and would be widened beyond the existing pavement. Existing SR 1 would be overlaid with new hot mix asphalt (HMA) and restriped within the project limits. Both single lane roundabouts would consist of an inscribed circle diameter of 110 feet; an 18-foot-wide circulatory roadway; and a 16-foot-wide truck apron with 10-foot-wide proposed sidewalks on all four quadrants of the intersection, as shown. New 6-foot-wide Class II bicycle lanes would be added to both sides of SR 1 from south of Marine Boulevard to 14th Street. A new 10-foot-wide sidewalk, curb, and gutter would be added to the western side of SR 1, from Marine Boulevard to Vallemar Street, and a new 12-foot-wide multimodal trail would be added to the eastern side of SR 1 from south of Marine Boulevard to Etheldore Street. New landscaping would be provided between the multimodal trail and SR 1 at spot locations in the project area. SamTrans bus Routes 18 and 117 will be rerouted to cross SR1 at the new SR1/Cypress Avenue roundabout intersection and connect to Marine Boulevard via Etheldore Street or Pearl Avenue. A new sidewalk would be installed along the northern side of Cypress Avenue from SR 1 to approximately 360 feet west of SR 1, with upgraded bus stops. Oak Avenue will be repaved and extended to intersect with Cypress Avenue. A new bus stop and sidewalk would also be installed at the intersection of 16th Street and SR 1. The proposed sidewalk along the eastern side of SR 1 would be installed approximately 280 feet south of 16th Street to 14th Street, and about 100 feet of sidewalk would be installed along the western side of SR 1. Americans with Disabilities Act-compliant ramps and high-visibility crosswalks across SR 1 would be installed at Cypress Avenue, California Avenue, Vermont Avenue, Etheldore Street, and 16th Street, as well as at adjacent local streets.

Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

**Build Alternative 1 (Option B)** includes all proposed improvements under Build Alternative 1 (Option A), with the exception of the raised concrete median. A dedicated left-turn lane along the median would be restriped and remain in place between Cypress Avenue and Etheldore Street.

The conceptual plan for Build Alternative 1 (Option B) included in Attachment B shows a roundabout on SR 1 at Cypress Avenue; roundabout on SR 1 at California Avenue; and a signalized intersection with design variation on SR 1 at 16th Street, with 12-foot-wide travel lanes. The design variation at 16th Street consists of shifting the intersection south approximately 150 feet and connecting with Carlos Street. Under this design variation, 16th Street would need to be realigned to connect with Carlos Street, as shown. All improvements proposed at 16th Street under Alternative 1 would be the same under the design variation.

Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

**Build Alternative 2** proposes signalized intersections at SR 1 and Cypress Avenue, SR 1 and California Avenue, and SR 1 and 16th Street. All SR 1 side street intersections between Cypress Avenue and California Avenue would be modified to replace the existing dedicated left-turn lanes along the median with a two-way left-turn lane and right-turn-only lanes. Additional through lanes on SR 1 at the proposed signalized intersections would be considered with this Alternative. All proposed improvements under Build Alternative 1, such as Class II bicycle lanes, sidewalks, street lighting, multimodal path, landscaping, bus stops, and high-visibility crosswalks would also be constructed under Build Alternative 2; and 16th Street east of SR 1 would be realigned to connect with Carlos Street, as shown. The design variation at 16th Street consists of shifting the intersection north to avoid realigning 16th Street, as shown in Build Alternative 1.

All three intersections would be reconfigured and reconstructed with new pavement to accommodate new signals. Existing SR 1 would be overlaid with HMA and restriped. Raised median is proposed at spot locations. Bicycle and pedestrian improvements under Build Alternative 2 are the same as under Build Alternative 1 Options A and B. Wienke Way would be realigned to intersect SR 1 at a 90-degree angle. SamTrans bus Routes 18 and 117 will be rerouted to cross SR1 at the new SR1/Cypress Avenue signalized intersection and connect to Marine Boulevard via Etheldore Street or Pearl Avenue. The conceptual plan for Build Alternative 2 is included in the Attachment B.

Stage construction would likely require temporary shoulder and lane closures, along with temporary shifting of lanes similar to Build Alternative 1. Bicycle and pedestrian detours would also be required. Staging areas are anticipated to be in the shoulders and proposed landscaping areas within the project limits of SR 1.

## Recommended Scope for PA&ED

The purpose of the TEPA process is to develop an initial traffic scope of work for a more detailed traffic analyses to be completed during the PA&ED phase. The following are identified as the scope of future traffic engineering studies based on recommendations received from Caltrans:

### Project Study Limits:

The following intersections will be included in the traffic study:

- Cabrillo Hwy/Marine Blvd
- Cabrillo Hwy/Cypress Ave
- Cabrillo Hwy/Lancaster Blvd
- Cabrillo Hwy/Terrace Ave
- Cabrillo Hwy/Vermont Ave
- Cabrillo Hwy/Virginia Ave
- Cabrillo Hwy/California Ave – Wienke Way
- Cabrillo Hwy/Etheldore St - Vallemar St
- Cabrillo Hwy/Carlos St
- Cabrillo Hwy/16th St
- California Ave/Carlos St
- Vermont Ave./Carlos St
- Virginia Ave./Carlos St
- Etheldore/Carlos St
- Cypress Ave/Oak Ave
- Marine Blvd/Oak Ave

Additional intersections if required will be included in the analysis based on the discussions with the project team. These intersections will be evaluated for peak hour of the weekday AM, weekend Midday and weekday PM peaks.

Traffic Data Collection: Due to the COVID conditions and changing travel, obtaining typical conditions data has been challenging. However, new counts will be collected and compared with the pre-COVID available data. The summary data will be submitted to Caltrans for review and approval to use for analysis; the most conservative data will be used and data adjustments as required to calibrate to current conditions will be done in coordination with Caltrans, SMCTA, C/CAG and Local agencies. Field observations will be made during the peak hours to observe the queues and operating conditions; Google traffic, previous studies and input from Caltrans/local agencies also will be used for this purpose.

Traffic Forecasting: Future demands on Hwy 1 and local streets (intersections) in the project study limits will be forecasted for both opening year and design years. The project anticipates using model outputs from the C/CAG-VTA Travel Demand Model will be used as a basis for creating future year transportation networks for the project.

To confirm that the model reflects the current plans for the area, an initial step is a review of the land use and network assumptions in the C/CAG model for the area surrounding the project. The land use assumptions will be reviewed for consistency with the recent General Plans as well as new projects that are being planned near the project area. The review will determine if there is a need to modify the assumptions for either the construction year or design year prior to generating future travel demand forecasts for the no project and project alternatives.

The base model outputs will be compared to the existing traffic demand volumes in the study area. Validation and verification of the model will focus on the peak hour traffic demand volumes. The results of the model validation and verification will be documented in the Forecast Report along with the opening year and design year traffic forecasts. This report will be submitted to the Caltrans for their review and approval.

Operational Analysis: Hwy 1/Intersection analysis will be performed using the Vissim or Synchro/Simtraffic simulation software. The operational analysis will be completed for existing conditions (calibration) and future conditions (opening and design years) for each alternative, with and without the project as well as any proposed project construction phasing. MOEs such as Traffic flows, speeds, LOS, queueing, and travel time will be summarized for comparison purposes.

Traffic Operations Analysis Report (TOAR): The findings of the PA&ED traffic analysis will be documented in a Final TOAR, which will be used to help identify design alternatives and support the project purpose and need.

Traffic Management Planning: A preliminary Traffic Management Plan (TMP) will be developed with the PA&ED process.

Project Construction Staging: It is recommended that construction be completed in stages to minimize temporary construction impacts to traffic and local circulation. Any impacts to existing facilities that require closures will be included in the study.

**Attachments:**

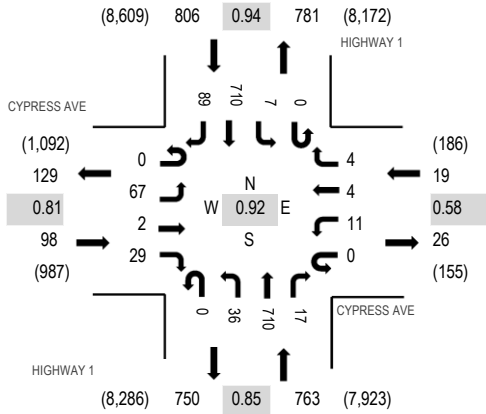
- A. Count Sheets
- B. Alternatives Exhibits



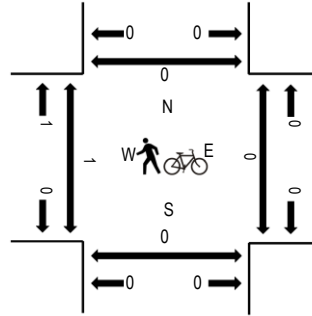
(303) 216-2439  
www.alltrafficdata.net

Location: 1 HIGHWAY 1 & CYPRESS AVE AM  
Date and Start Time: Tuesday, June 13, 2017  
Peak Hour: 04:30 PM - 05:30 PM  
Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	CYPRESS AVE Eastbound				CYPRESS AVE Westbound				HIGHWAY 1 Northbound				HIGHWAY 1 Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
6:00 AM	0	6	1	1	0	1	0	1	0	0	65	0	0	0	62	3	140	810	0	0	0	0
6:15 AM	0	7	0	2	0	1	0	1	0	2	91	0	0	0	82	2	188	924	0	1	0	0
6:30 AM	0	7	0	5	0	1	0	1	0	3	115	0	0	1	104	6	243	1,062	0	0	0	0
6:45 AM	0	9	0	3	0	2	0	0	0	2	111	0	0	0	102	10	239	1,179	0	0	0	0
7:00 AM	0	11	0	6	0	4	2	4	1	1	120	0	0	0	100	5	254	1,257	0	0	0	0
7:15 AM	0	22	0	6	0	1	1	3	0	5	142	2	0	0	133	11	326	1,317	0	0	0	0
7:30 AM	0	13	2	11	0	2	0	1	0	5	157	0	0	2	158	9	360	1,309	0	0	0	0
7:45 AM	0	10	1	4	0	4	1	0	0	6	143	0	0	0	140	8	317	1,240	0	0	0	0
8:00 AM	0	17	0	8	0	1	0	3	0	3	154	0	0	1	114	13	314	1,196	0	0	0	0
8:15 AM	0	15	1	2	0	3	1	2	0	4	157	2	0	1	120	10	318	1,167	0	0	0	0
8:30 AM	0	11	0	5	0	3	1	1	0	5	103	0	0	0	150	12	291	1,109	0	0	0	0
8:45 AM	0	12	0	9	0	3	1	1	0	2	102	2	1	0	131	9	273	1,099	1	0	0	0
9:00 AM	0	8	0	5	0	2	0	1	0	4	117	1	0	0	136	11	285	1,122	0	0	0	0
9:15 AM	0	9	0	3	0	2	0	0	0	2	107	0	0	0	123	14	260	1,142	0	0	0	0
9:30 AM	0	11	1	6	0	2	0	0	0	2	100	0	0	0	152	7	281	1,165	0	0	0	0
9:45 AM	0	6	1	7	0	0	0	0	0	8	112	0	0	1	147	14	296	1,184	0	0	1	0
10:00 AM	0	8	1	2	0	5	0	1	0	3	124	0	0	1	147	13	305	1,194	0	0	0	0
10:15 AM	0	9	0	6	0	3	0	0	0	7	122	1	0	0	124	11	283	1,213	0	0	0	0
10:30 AM	0	10	1	3	0	2	0	0	0	4	114	4	0	0	148	14	300	1,220	0	0	0	0
10:45 AM	0	16	1	7	0	0	0	0	0	4	123	0	0	1	146	8	306	1,229	0	0	0	0
11:00 AM	0	8	0	3	0	2	2	1	0	8	124	0	0	1	163	12	324	1,232	0	0	0	0
11:15 AM	0	12	1	8	0	2	0	0	0	6	104	2	0	2	142	11	290	1,177	1	0	1	0
11:30 AM	0	19	0	8	0	3	1	0	0	7	107	2	0	1	158	3	309	1,213	0	0	0	0
11:45 AM	0	8	0	8	0	3	1	0	0	3	134	0	0	0	139	13	309	1,218	0	0	0	0
12:00 PM	0	10	0	5	0	5	0	0	0	7	120	0	0	0	113	9	269	1,263	0	0	0	0
12:15 PM	0	14	1	8	0	3	0	0	0	7	120	3	1	0	156	13	326	1,370	0	0	0	0
12:30 PM	0	11	0	3	0	4	1	2	0	7	142	2	1	1	128	12	314	1,421	0	0	0	0
12:45 PM	0	12	2	5	0	2	0	2	0	6	153	2	0	1	162	7	354	1,410	0	0	0	0
1:00 PM	0	9	0	2	0	1	1	1	0	7	172	2	0	0	168	13	376	1,341	0	0	0	0
1:15 PM	0	7	1	6	0	3	2	1	0	6	150	2	0	2	179	18	377	1,318	0	0	0	0
1:30 PM	0	10	1	4	0	1	1	1	0	5	129	0	0	0	140	11	303	1,235	0	0	0	0
1:45 PM	0	7	1	5	0	0	2	0	0	9	115	0	0	0	122	24	285	1,288	0	0	0	0
2:00 PM	0	11	0	9	0	1	0	0	1	10	158	2	0	1	151	9	353	1,312	0	0	0	0
2:15 PM	0	11	1	5	0	1	0	0	0	6	110	3	0	0	146	11	294	1,270	0	0	0	0
2:30 PM	0	13	0	9	0	1	1	1	0	3	148	2	1	1	163	13	356	1,353	0	0	0	0

2:45 PM	0	7	2	5	0	1	1	1	0	3	125	0	0	1	149	14	309	1,395	0	0	0	0
3:00 PM	0	12	0	4	0	3	0	0	0	9	120	0	0	0	149	14	311	1,419	0	0	0	0
3:15 PM	0	16	0	9	0	2	0	0	0	11	168	1	0	0	152	18	377	1,471	0	0	0	0
3:30 PM	0	13	0	7	0	3	0	0	0	6	166	3	0	1	174	25	398	1,479	5	0	0	0
3:45 PM	0	14	1	8	0	1	0	0	0	5	156	3	0	1	130	14	333	1,472	1	0	0	0
4:00 PM	0	12	0	8	0	1	1	0	2	7	141	0	0	1	175	15	363	1,550	0	0	0	0
4:15 PM	0	19	0	7	0	2	0	1	0	13	164	1	0	5	157	16	385	1,611	0	0	0	0
4:30 PM	0	11	0	6	0	4	0	1	0	9	167	4	0	2	164	23	391	1,686	1	0	0	0
4:45 PM	0	19	0	7	0	0	3	2	0	6	158	2	0	5	183	26	411	1,659	0	0	0	0
5:00 PM	0	19	1	12	0	4	0	1	0	6	184	3	0	0	169	25	424	1,582	0	0	0	0
5:15 PM	0	18	1	4	0	3	1	0	0	15	201	8	0	0	194	15	460	1,519	0	0	0	0
5:30 PM	0	8	5	10	0	5	0	1	0	6	164	2	0	0	151	12	364	1,419	0	0	0	0
5:45 PM	0	11	0	7	0	3	0	1	0	9	136	4	0	1	149	13	334	1,402	0	0	0	0
6:00 PM	0	14	1	4	0	1	0	0	0	9	145	3	0	0	168	16	361	1,368	0	0	0	0
6:15 PM	0	7	0	5	0	2	1	0	0	10	167	4	0	1	145	18	360	1,306	0	0	0	0
6:30 PM	0	14	0	5	0	1	0	0	0	8	159	3	0	0	141	16	347	1,225	0	0	0	0
6:45 PM	0	7	0	5	0	1	0	0	0	9	144	2	0	1	122	9	300	1,113	0	0	0	0
7:00 PM	0	13	1	1	0	0	2	1	0	3	136	3	0	0	118	21	299	1,059	0	0	0	0
7:15 PM	0	6	1	10	0	0	1	1	0	4	125	0	0	3	120	8	279		0	0	0	0
7:30 PM	0	8	0	3	0	2	1	3	0	14	90	1	0	1	97	15	235		1	0	0	0
7:45 PM	0	9	0	4	0	1	0	0	0	16	109	1	0	1	92	13	246		0	0	0	0

### Peak Rolling Hour Flow Rates

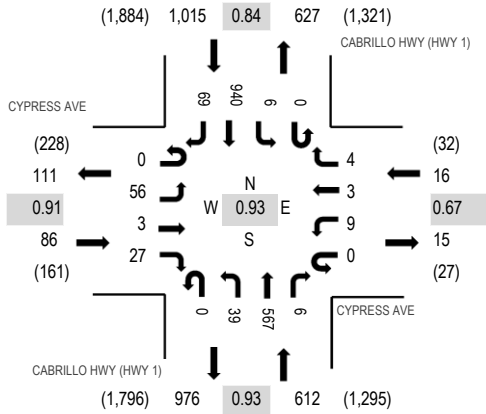
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2
Lights	0	66	2	28	0	10	4	4	0	35	704	17	0	6	699	86	1,661
Mediums	0	1	0	1	0	1	0	0	0	0	6	0	0	1	10	3	23
<b>Total</b>	0	67	2	29	0	11	4	4	0	36	710	17	0	7	710	89	1,686



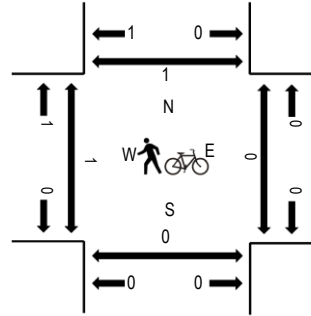
(303) 216-2439  
www.alltrafficdata.net

Location: 1 CABRILLO HWY (HWY 1) & CYPRESS AVE Noon  
Date and Start Time: Saturday, August 12, 2017  
Peak Hour: 11:30 AM - 12:30 PM  
Peak 15-Minutes: 12:15 PM - 12:30 PM

**Peak Hour - All Vehicles**



**Peak Hour - Pedestrians/Bicycles in Crosswalk**



Note: Total study counts contained in parentheses.

**Traffic Counts**

Interval Start Time	CYPRESS AVE Eastbound				CYPRESS AVE Westbound				CABRILLO HWY (HWY 1) Northbound				CABRILLO HWY (HWY 1) Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
11:30 AM	0	10	0	6	0	2	1	1	0	12	129	2	0	5	220	16	404	1,729	0	0	0	0
11:45 AM	0	11	1	9	0	2	2	1	0	10	164	0	0	0	211	17	428	1,729	0	0	0	0
12:00 PM	0	15	2	8	0	4	0	1	0	12	142	2	0	1	227	17	431	1,705	0	0	0	1
12:15 PM	0	20	0	4	0	1	0	1	0	5	132	2	0	0	282	19	466	1,695	0	0	0	0
12:30 PM	0	13	0	8	0	3	0	1	1	4	160	1	0	1	193	19	404	1,643	0	0	0	0
12:45 PM	0	8	2	6	0	2	1	0	0	12	145	1	0	2	210	15	404		0	0	0	2
1:00 PM	0	16	0	6	0	4	1	1	0	11	164	1	0	1	190	26	421		0	0	1	0
1:15 PM	0	10	1	5	0	1	0	2	0	7	174	2	0	0	191	21	414		6	6	0	6

**Peak Rolling Hour Flow Rates**

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
Lights	0	56	2	26	0	9	3	4	0	39	560	5	0	6	936	68	1,714
Mediums	0	0	1	1	0	0	0	0	0	0	6	1	0	0	3	1	13
Total	0	56	3	27	0	9	3	4	0	39	567	6	0	6	940	69	1,729



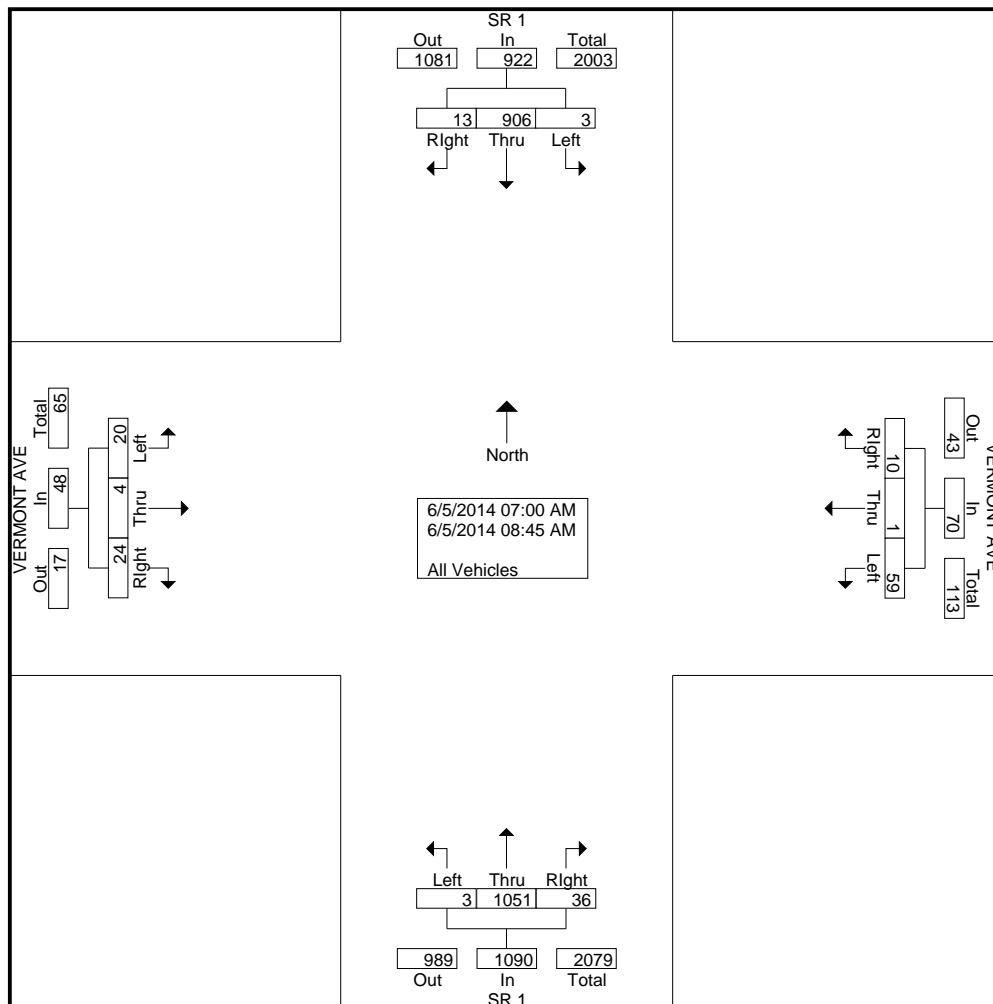
# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #7 SR1&VERMONTAM  
 Site Code : 7  
 Start Date : 6/5/2014  
 Page No : 1

## Groups Printed- All Vehicles

Start Time	VERMONT AVE Eastbound			VERMONT AVE Westbound			SR 1 Northbound			SR 1 Southbound			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
07:00 AM	3	0	4	11	0	0	1	127	4	0	122	4	276
07:15 AM	4	0	3	8	0	3	0	132	3	0	81	0	234
07:30 AM	0	1	1	7	0	1	0	129	5	1	87	1	233
07:45 AM	2	0	2	7	0	0	1	130	5	1	118	0	266
Total	9	1	10	33	0	4	2	518	17	2	408	5	1009
08:00 AM	2	0	3	4	0	1	0	139	5	0	141	2	297
08:15 AM	5	0	2	9	0	2	0	145	5	0	110	3	281
08:30 AM	4	3	6	9	1	2	0	120	5	1	126	3	280
08:45 AM	0	0	3	4	0	1	1	129	4	0	121	0	263
Total	11	3	14	26	1	6	1	533	19	1	498	8	1121
Grand Total	20	4	24	59	1	10	3	1051	36	3	906	13	2130
Apprch %	41.7	8.3	50	84.3	1.4	14.3	0.3	96.4	3.3	0.3	98.3	1.4	
Total %	0.9	0.2	1.1	2.8	0	0.5	0.1	49.3	1.7	0.1	42.5	0.6	

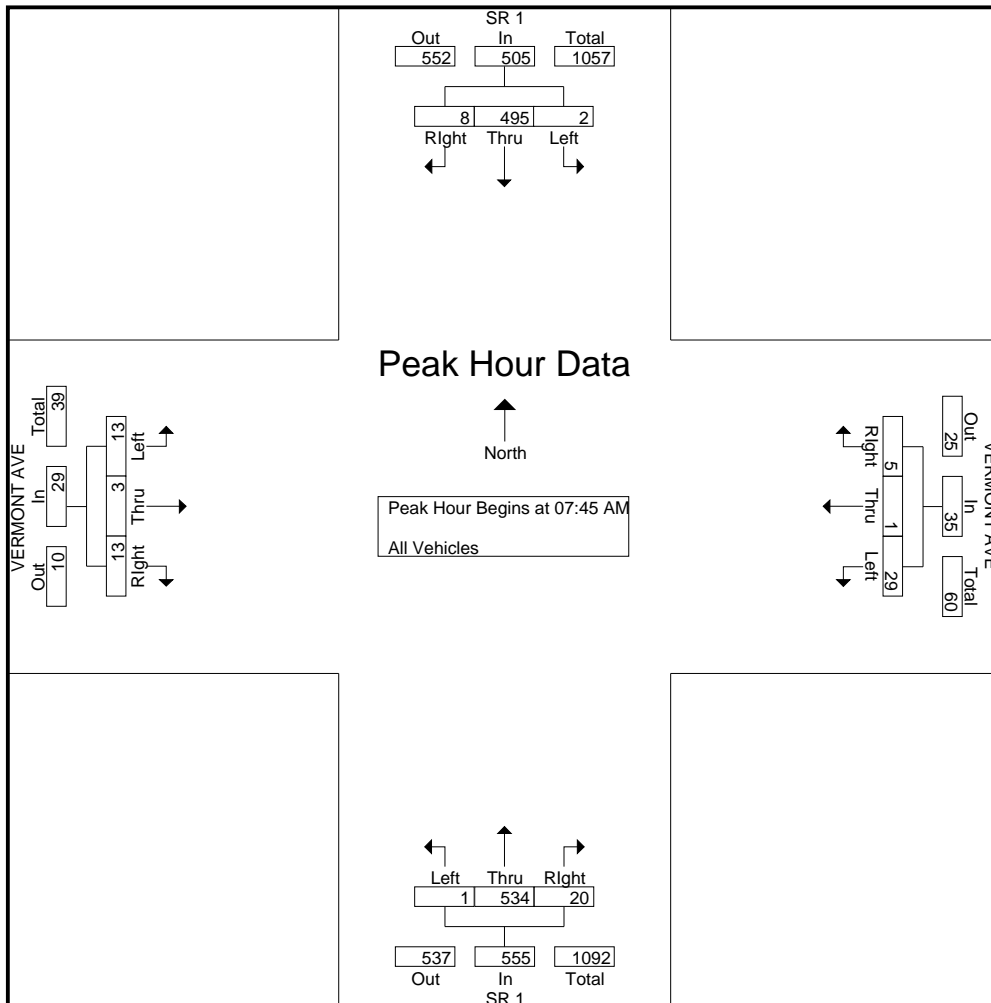


# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #7 SR1&VERMONTAM  
 Site Code : 7  
 Start Date : 6/5/2014  
 Page No : 2

Start Time	VERMONT AVE Eastbound				VERMONT AVE Westbound				SR 1 Northbound				SR 1 Southbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	2	0	2	4	7	0	0	7	1	130	5	136	1	118	0	119	266
08:00 AM	2	0	3	5	4	0	1	5	0	139	5	144	0	141	2	143	297
08:15 AM	5	0	2	7	9	0	2	11	0	145	5	150	0	110	3	113	281
08:30 AM	4	3	6	13	9	1	2	12	0	120	5	125	1	126	3	130	280
Total Volume	13	3	13	29	29	1	5	35	1	534	20	555	2	495	8	505	1124
% App. Total	44.8	10.3	44.8		82.9	2.9	14.3		0.2	96.2	3.6		0.4	98	1.6		
PHF	.650	.250	.542	.558	.806	.250	.625	.729	.250	.921	1.00	.925	.500	.878	.667	.883	.946



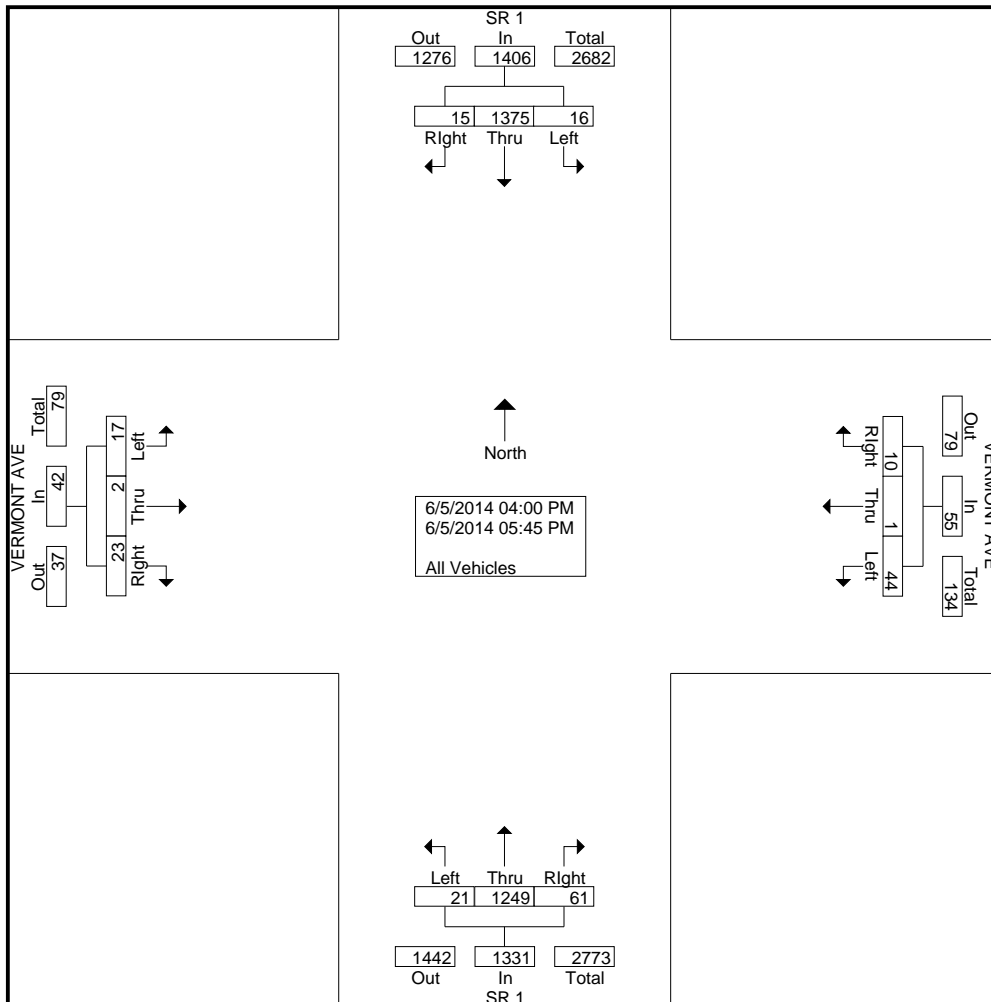
# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #7 SR1&VERMONT  
 Site Code : 7  
 Start Date : 6/5/2014  
 Page No : 1

## Groups Printed- All Vehicles

Start Time	VERMONT AVE Eastbound			VERMONT AVE Westbound			SR 1 Northbound			SR 1 Southbound			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
04:00 PM	2	0	2	8	0	0	2	134	6	2	164	2	322
04:15 PM	0	0	1	4	0	1	0	161	5	2	171	1	346
04:30 PM	1	0	4	4	0	1	4	149	7	4	177	4	355
04:45 PM	2	0	2	5	0	1	0	168	12	4	184	0	378
Total	5	0	9	21	0	3	6	612	30	12	696	7	1401
05:00 PM	2	1	2	2	0	3	3	154	5	2	164	0	338
05:15 PM	1	0	6	7	1	1	1	154	10	0	155	3	339
05:30 PM	3	1	5	7	0	0	3	159	5	1	192	3	379
05:45 PM	6	0	1	7	0	3	8	170	11	1	168	2	377
Total	12	2	14	23	1	7	15	637	31	4	679	8	1433
Grand Total	17	2	23	44	1	10	21	1249	61	16	1375	15	2834
Apprch %	40.5	4.8	54.8	80	1.8	18.2	1.6	93.8	4.6	1.1	97.8	1.1	
Total %	0.6	0.1	0.8	1.6	0	0.4	0.7	44.1	2.2	0.6	48.5	0.5	

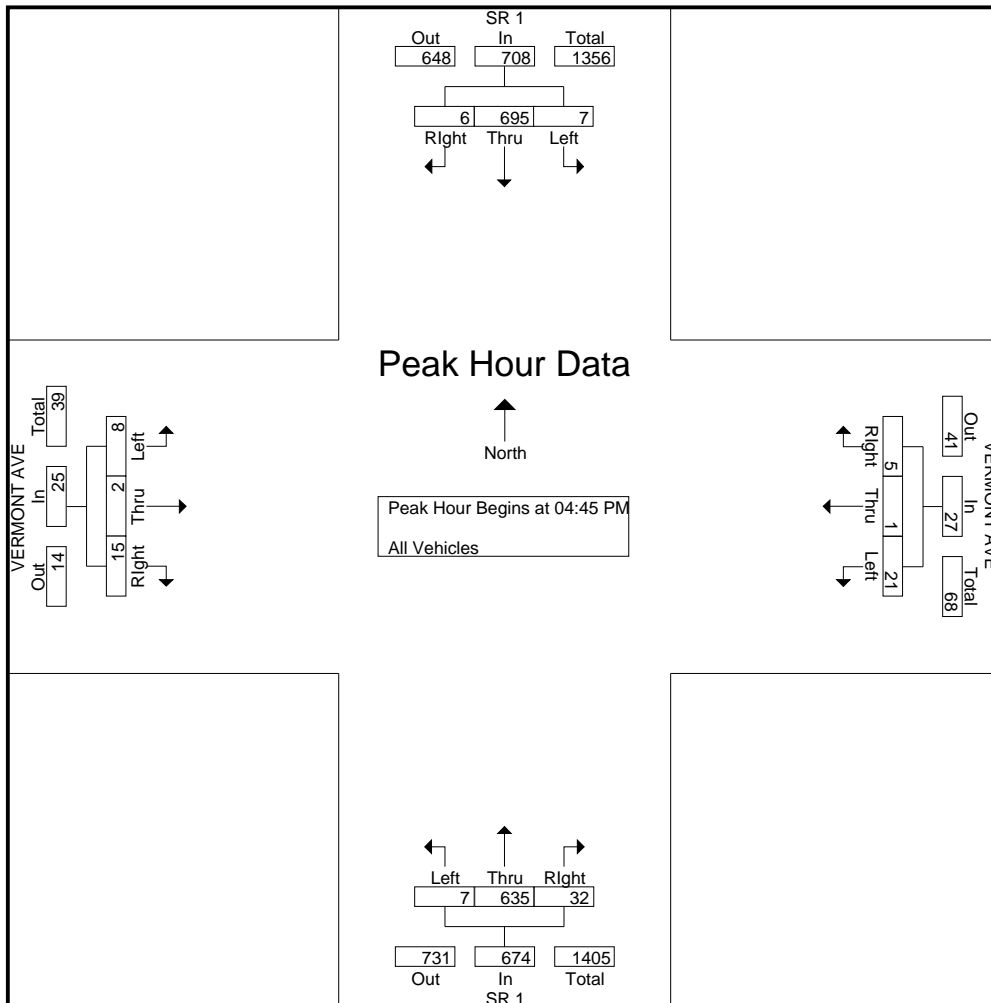


# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #7 SR1&VERMONT  
 Site Code : 7  
 Start Date : 6/5/2014  
 Page No : 2

Start Time	VERMONT AVE Eastbound				VERMONT AVE Westbound				SR 1 Northbound				SR 1 Southbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	2	0	2	4	5	0	1	6	0	168	12	180	4	184	0	188	378
05:00 PM	2	1	2	5	2	0	3	5	3	154	5	162	2	164	0	166	338
05:15 PM	1	0	6	7	7	1	1	9	1	154	10	165	0	155	3	158	339
05:30 PM	3	1	5	9	7	0	0	7	3	159	5	167	1	192	3	196	379
Total Volume	8	2	15	25	21	1	5	27	7	635	32	674	7	695	6	708	1434
% App. Total	32	8	60		77.8	3.7	18.5		1	94.2	4.7		1	98.2	0.8		
PHF	.667	.500	.625	.694	.750	.250	.417	.750	.583	.945	.667	.936	.438	.905	.500	.903	.946



# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #15 SR1&VIRGINIAAM

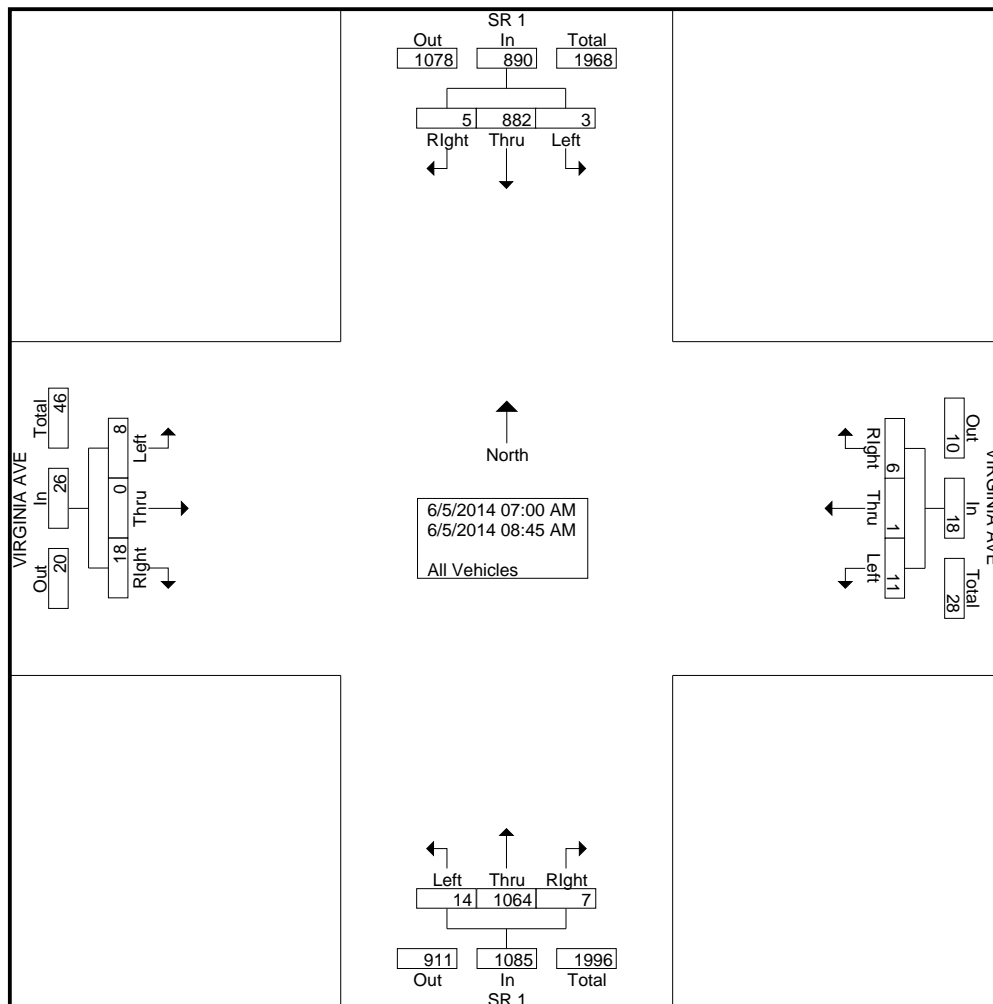
Site Code : 15

Start Date : 6/5/2014

Page No : 1

## Groups Printed- All Vehicles

Start Time	VIRGINIA AVE Eastbound			VIRGINIA AVE Westbound			SR 1 Northbound			SR 1 Southbound			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
07:00 AM	1	0	4	2	0	0	0	128	1	0	115	0	251
07:15 AM	2	0	2	1	0	0	3	134	0	0	73	0	215
07:30 AM	3	0	2	0	0	1	1	130	1	0	96	0	234
07:45 AM	0	0	3	1	0	2	0	138	2	0	118	0	264
Total	6	0	11	4	0	3	4	530	4	0	402	0	964
08:00 AM	0	0	5	4	1	0	1	141	0	0	128	1	281
08:15 AM	2	0	1	2	0	0	4	139	0	0	108	1	257
08:30 AM	0	0	0	1	0	1	4	124	1	1	134	1	267
08:45 AM	0	0	1	0	0	2	1	130	2	2	110	2	250
Total	2	0	7	7	1	3	10	534	3	3	480	5	1055
Grand Total	8	0	18	11	1	6	14	1064	7	3	882	5	2019
Apprch %	30.8	0	69.2	61.1	5.6	33.3	1.3	98.1	0.6	0.3	99.1	0.6	
Total %	0.4	0	0.9	0.5	0	0.3	0.7	52.7	0.3	0.1	43.7	0.2	

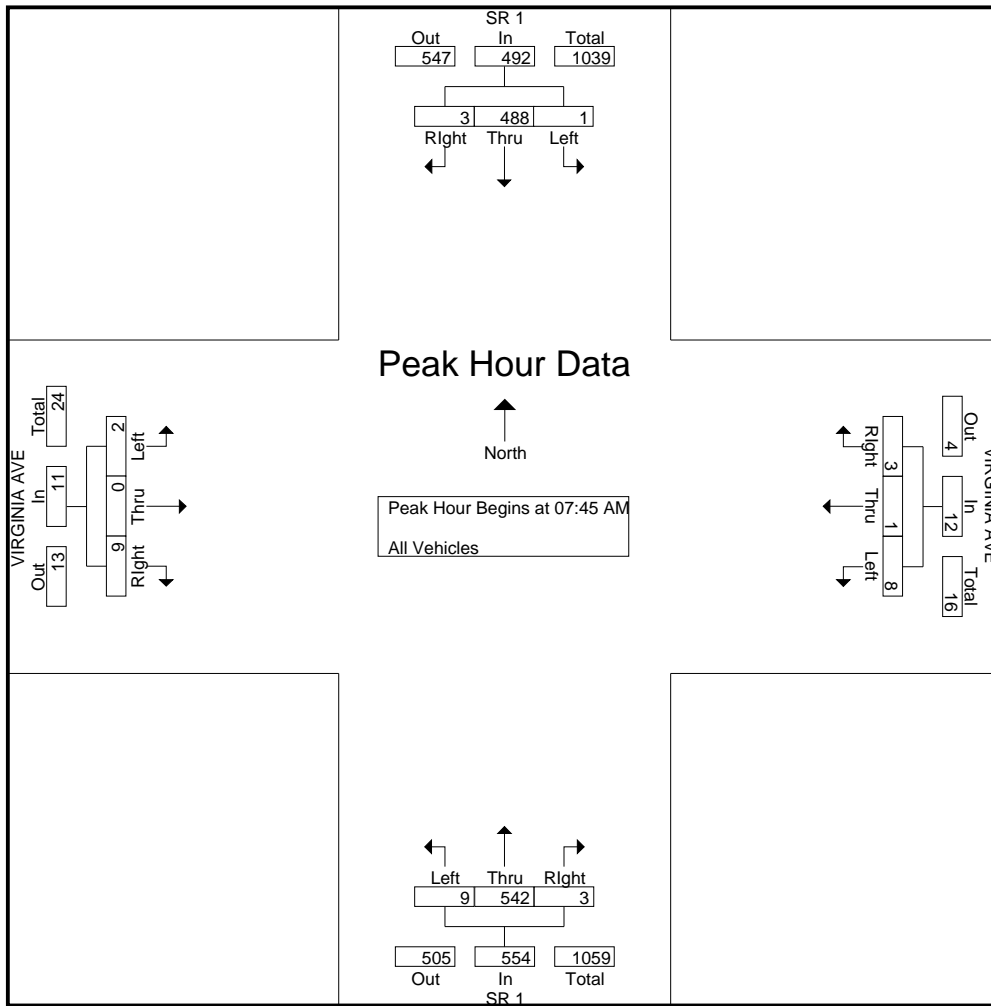


# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #15 SR1&VIRGINIAAM  
 Site Code : 15  
 Start Date : 6/5/2014  
 Page No : 2

Start Time	VIRGINIA AVE Eastbound				VIRGINIA AVE Westbound				SR 1 Northbound				SR 1 Southbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	0	0	3	3	1	0	2	3	0	138	2	140	0	118	0	118	264
08:00 AM	0	0	5	5	4	1	0	5	1	141	0	142	0	128	1	129	281
08:15 AM	2	0	1	3	2	0	0	2	4	139	0	143	0	108	1	109	257
08:30 AM	0	0	0	0	1	0	1	2	4	124	1	129	1	134	1	136	267
Total Volume	2	0	9	11	8	1	3	12	9	542	3	554	1	488	3	492	1069
% App. Total	18.2	0	81.8		66.7	8.3	25		1.6	97.8	0.5		0.2	99.2	0.6		
PHF	.250	.000	.450	.550	.500	.250	.375	.600	.563	.961	.375	.969	.250	.910	.750	.904	.951



# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #15 SR1&VIRGINIAPM

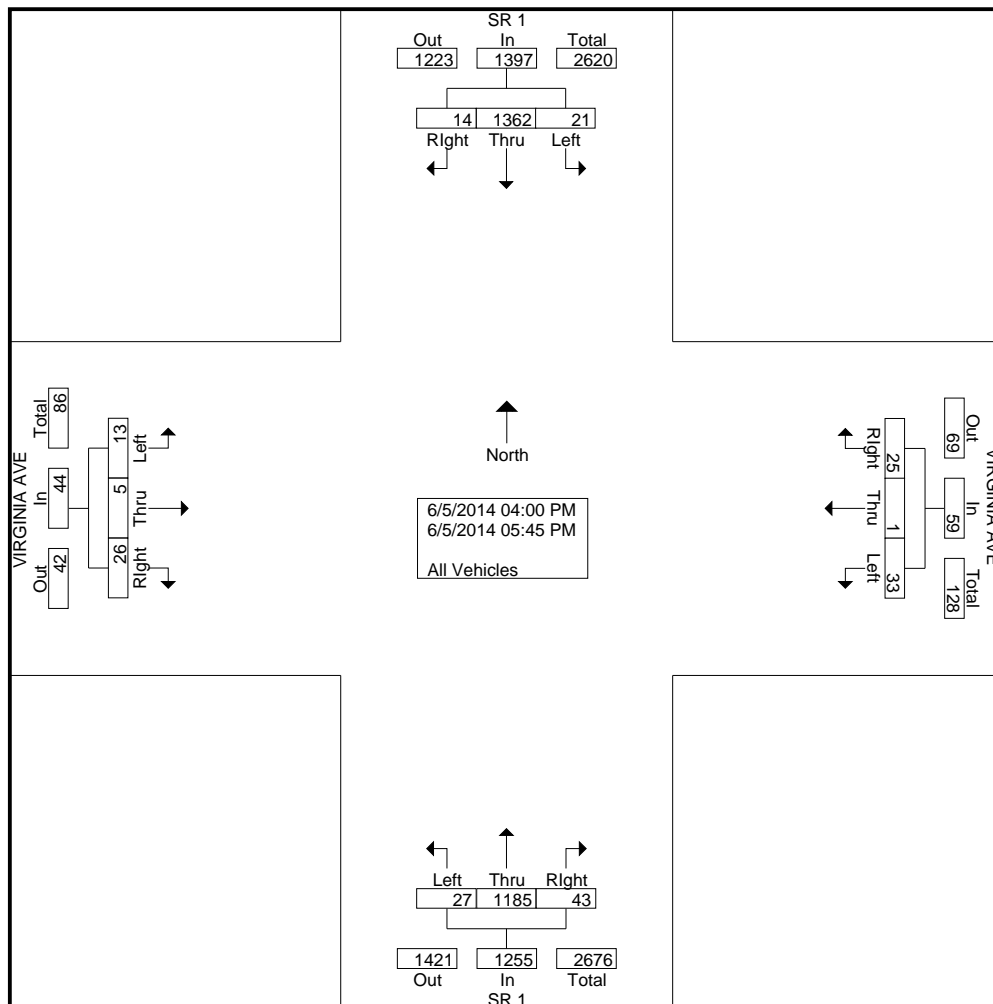
Site Code : 15

Start Date : 6/5/2014

Page No : 1

## Groups Printed- All Vehicles

Start Time	VIRGINIA AVE Eastbound			VIRGINIA AVE Westbound			SR 1 Northbound			SR 1 Southbound			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
04:00 PM	1	0	6	1	0	3	0	138	3	1	157	2	312
04:15 PM	0	0	2	1	0	3	4	150	1	4	182	1	348
04:30 PM	1	2	1	5	0	3	3	144	5	1	181	1	347
04:45 PM	1	0	4	6	0	2	5	160	7	2	169	3	359
Total	3	2	13	13	0	11	12	592	16	8	689	7	1366
05:00 PM	2	0	2	2	0	2	3	145	5	1	169	1	332
05:15 PM	4	1	4	5	1	4	3	140	7	2	152	3	326
05:30 PM	1	1	5	6	0	3	4	154	7	4	186	2	373
05:45 PM	3	1	2	7	0	5	5	154	8	6	166	1	358
Total	10	3	13	20	1	14	15	593	27	13	673	7	1389
Grand Total	13	5	26	33	1	25	27	1185	43	21	1362	14	2755
Apprch %	29.5	11.4	59.1	55.9	1.7	42.4	2.2	94.4	3.4	1.5	97.5	1	
Total %	0.5	0.2	0.9	1.2	0	0.9	1	43	1.6	0.8	49.4	0.5	

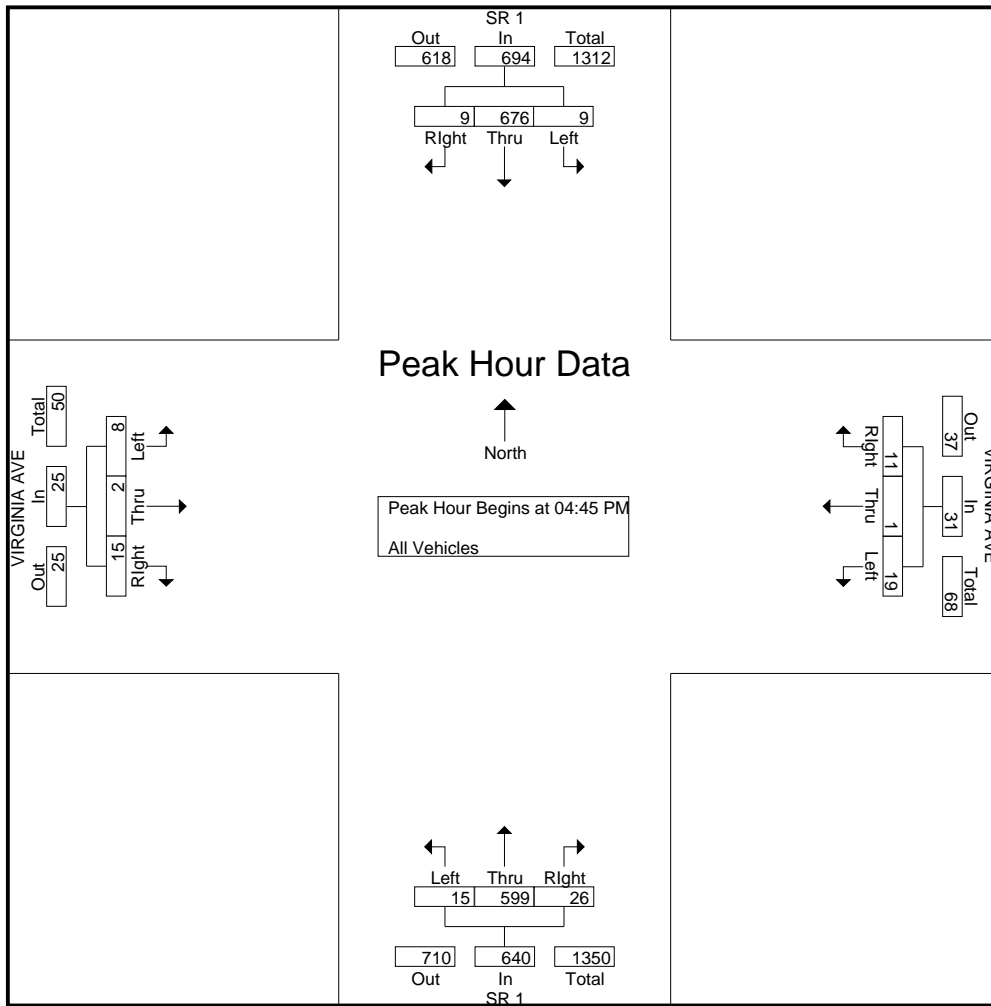


# All Traffic Data Services

2187 Kingsbury Cir  
 Santa Clara, CA, 95054  
 www.Alltrafficdata.net

File Name : #15 SR1&VIRGINIAPM  
 Site Code : 15  
 Start Date : 6/5/2014  
 Page No : 2

Start Time	VIRGINIA AVE Eastbound				VIRGINIA AVE Westbound				SR 1 Northbound				SR 1 Southbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	1	0	4	5	6	0	2	8	5	160	7	172	2	169	3	174	359
05:00 PM	2	0	2	4	2	0	2	4	3	145	5	153	1	169	1	171	332
05:15 PM	4	1	4	9	5	1	4	10	3	140	7	150	2	152	3	157	326
05:30 PM	1	1	5	7	6	0	3	9	4	154	7	165	4	186	2	192	373
Total Volume	8	2	15	25	19	1	11	31	15	599	26	640	9	676	9	694	1390
% App. Total	32	8	60		61.3	3.2	35.5		2.3	93.6	4.1		1.3	97.4	1.3		
PHF	.500	.500	.750	.694	.792	.250	.688	.775	.750	.936	.929	.930	.563	.909	.750	.904	.932







Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384625

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
7:00 AM	0	0	23	0	0	3	0	0	2	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	26	0	0	4	0	0	2	0	0	47	0	0	0	0	0	1	0	0	0	1	0	0	0
7:10 AM	0	0	32	0	0	1	0	0	5	0	1	42	1	0	0	2	0	0	0	0	0	0	0	1	0
7:15 AM	0	0	26	0	0	0	0	0	3	0	0	49	0	0	0	0	0	0	0	0	0	3	0	0	0
7:20 AM	0	0	26	0	0	1	0	0	3	0	0	55	0	1	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	28	0	0	1	0	0	5	0	0	43	0	0	1	0	0	0	0	0	0	1	0	0	0
7:30 AM	0	0	29	0	0	1	0	0	8	0	3	46	0	0	0	1	0	2	0	0	0	2	0	0	0
7:35 AM	0	0	31	1	0	1	0	0	3	0	1	47	1	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	43	0	0	4	0	0	6	0	0	50	1	1	0	0	0	0	0	0	0	0	1	0	0
7:45 AM	0	0	45	2	0	0	0	0	6	0	2	52	1	0	0	0	0	0	0	0	0	1	0	0	0
7:50 AM	0	0	45	1	0	1	0	0	4	0	1	54	0	0	0	1	0	0	0	0	0	1	0	0	0
7:55 AM	0	1	42	0	0	2	0	0	3	0	2	41	1	0	0	0	1	0	0	0	0	2	0	0	0
8:00 AM	0	0	28	0	0	1	0	0	4	0	1	48	1	0	0	1	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	34	0	0	0	0	0	3	0	1	35	1	0	0	1	0	2	0	0	0	0	0	1	0
8:10 AM	0	0	43	0	0	1	0	0	6	0	4	50	0	1	0	2	0	1	0	0	0	0	0	0	0
8:15 AM	0	0	45	1	0	2	0	0	4	0	1	59	0	0	0	1	0	0	0	0	1	0	0	0	0
8:20 AM	0	0	34	0	0	1	0	0	1	0	0	67	2	1	0	1	0	2	0	0	0	1	0	0	0
8:25 AM	0	1	45	1	0	2	0	0	5	0	1	45	1	0	0	1	0	1	0	0	0	0	0	1	0
8:30 AM	0	0	46	0	0	2	0	0	3	0	1	32	0	0	0	0	0	0	0	0	0	0	0	1	0
8:35 AM	0	0	60	1	0	2	0	0	4	0	3	46	0	2	0	2	0	2	0	0	0	0	0	0	0
8:40 AM	0	3	54	0	0	1	0	0	5	0	4	45	0	0	0	1	0	1	0	0	0	0	0	0	0
8:45 AM	0	0	44	0	0	0	0	0	4	0	1	33	1	1	0	2	0	0	0	0	0	2	0	0	0
8:50 AM	0	1	35	1	0	1	0	0	4	0	0	40	2	1	0	2	0	0	0	0	0	0	0	2	0
8:55 AM	0	0	42	2	0	1	0	0	5	0	2	31	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>6</b>	<b>906</b>	<b>10</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>29</b>	<b>1106</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>6</b>	<b>0</b>

Peak Hour: 7:45 AM - 8:45 AM

Peak 15: 8:30 AM - 8:45 AM

PHF: 0.929348



Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384625

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
7:00 AM	0	0	20	0	0	3	0	0	2	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	24	0	0	4	0	0	2	0	0	45	0	0	0	0	0	1	0	0	0	0	1	0	0
7:10 AM	0	0	32	0	0	1	0	0	5	0	1	39	1	0	0	2	0	0	0	0	0	0	0	1	0
7:15 AM	0	0	24	0	0	0	0	0	3	0	0	49	0	0	0	0	0	0	0	0	0	0	3	0	0
7:20 AM	0	0	25	0	0	1	0	0	3	0	0	51	0	1	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	27	0	0	1	0	0	5	0	0	42	0	0	0	1	0	0	0	0	0	0	1	0	0
7:30 AM	0	0	28	0	0	1	0	0	8	0	3	45	0	0	0	1	0	2	0	0	0	0	2	0	0
7:35 AM	0	0	30	1	0	1	0	0	3	0	1	42	1	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	43	0	0	3	0	0	6	0	0	49	1	1	0	0	0	0	0	0	0	0	1	0	0
7:45 AM	0	0	43	2	0	0	0	0	6	0	2	46	1	0	0	0	0	0	0	0	0	0	1	0	0
7:50 AM	0	0	45	1	0	1	0	0	4	0	1	47	0	0	0	1	0	0	0	0	0	0	1	0	0
7:55 AM	0	1	41	0	0	2	0	0	3	0	2	37	1	0	0	0	0	1	0	0	0	0	2	0	0
8:00 AM	0	0	28	0	0	1	0	0	4	0	1	45	1	0	0	1	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	34	0	0	0	0	0	3	0	1	30	1	0	0	1	0	2	0	0	0	0	0	1	0
8:10 AM	0	0	43	0	0	1	0	0	6	0	4	45	0	1	0	2	0	1	0	0	0	0	0	0	0
8:15 AM	0	0	43	1	0	2	0	0	4	0	1	56	0	0	0	1	0	0	0	0	0	1	0	0	0
8:20 AM	0	0	34	0	0	1	0	0	1	0	0	61	2	1	0	1	0	2	0	0	0	0	1	0	0
8:25 AM	0	1	40	1	0	2	0	0	5	0	1	42	1	0	0	1	0	1	0	0	0	0	0	1	0
8:30 AM	0	0	40	0	0	2	0	0	3	0	1	31	0	0	0	0	0	0	0	0	0	0	0	1	0
8:35 AM	0	0	57	1	0	2	0	0	4	0	3	45	0	2	0	2	0	2	0	0	0	0	0	0	0
8:40 AM	0	3	52	0	0	1	0	0	5	0	4	43	0	0	0	1	0	1	0	0	0	0	0	0	0
8:45 AM	0	0	42	0	0	0	0	0	4	0	1	31	1	1	0	2	0	0	0	0	0	2	0	0	0
8:50 AM	0	1	32	1	0	1	0	0	4	0	0	40	2	1	0	2	0	0	0	0	0	0	0	2	0
8:55 AM	0	0	41	2	0	1	0	0	5	0	2	29	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>6</b>	<b>868</b>	<b>10</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>29</b>	<b>1037</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>6</b>	<b>0</b>





Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384625

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	Peds	Right	Thru to Wienke Way	Thru	Left	Peds	Right	Thru	Left to Wienke Way	Left	Peds	Right	Thru	Left	Left to Wienke Way	Peds	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	Peds
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>



Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384626

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
4:00 PM	0	0	68	4	0	1	0	0	4	0	5	51	1	1	0	0	0	3	0	0	0	0	0	0	0
4:05 PM	0	0	64	0	0	0	0	0	1	0	3	53	3	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	52	1	0	3	0	0	2	0	5	51	0	1	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	1	0	57	2	0	0	0	0	1	0	3	54	0	1	0	4	1	0	0	0	0	0	0	0	0
4:20 PM	0	1	56	1	0	1	0	0	2	0	4	55	1	3	0	1	0	1	0	0	1	1	0	0	0
4:25 PM	1	0	61	0	0	3	0	0	4	0	1	53	0	3	0	0	0	1	0	0	0	0	0	0	0
4:30 PM	0	1	47	1	0	1	0	0	3	0	5	49	1	1	0	1	0	1	0	0	0	2	0	2	0
4:35 PM	0	0	57	1	0	0	0	0	3	0	3	53	0	1	0	0	0	0	0	0	0	1	0	0	0
4:40 PM	0	0	63	0	0	1	0	0	1	0	3	44	1	0	0	0	0	0	0	0	0	1	0	0	0
4:45 PM	0	1	63	1	0	2	0	0	3	0	4	48	1	1	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	2	60	3	0	1	0	0	6	0	4	47	0	0	0	0	0	0	0	0	0	0	0	1	0
4:55 PM	1	0	62	3	0	1	0	0	0	0	8	45	0	0	0	0	0	1	0	0	1	0	0	0	0
5:00 PM	0	0	68	2	0	1	0	0	1	0	1	60	1	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	55	1	0	2	0	0	2	0	2	54	0	0	0	1	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	71	0	0	0	0	0	2	0	1	46	2	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	1	58	2	0	2	0	0	4	0	4	53	0	2	0	1	0	0	0	0	0	0	0	0	0
5:20 PM	0	3	52	1	0	3	0	0	5	0	4	48	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	72	2	0	0	0	0	3	0	1	50	0	1	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	59	0	0	0	1	0	1	0	3	48	1	1	0	0	0	1	0	0	0	0	0	0	0
5:35 PM	0	2	77	2	0	0	0	0	0	0	1	62	1	0	0	0	0	0	0	0	0	1	0	0	0
5:40 PM	0	1	59	0	0	0	0	0	5	0	9	51	1	0	0	0	0	1	0	0	0	0	0	0	0
5:45 PM	0	0	45	0	0	0	0	1	2	0	9	37	1	0	0	0	0	2	0	0	1	1	0	0	0
5:50 PM	0	0	50	0	0	0	0	0	4	0	3	48	0	0	0	0	0	0	0	0	0	0	0	0	0
5:55 PM	0	0	69	0	0	1	0	0	2	0	3	59	1	0	0	0	0	0	0	0	1	1	0	0	0
<b>Total</b>	<b>3</b>	<b>12</b>	<b>1445</b>	<b>27</b>	<b>0</b>	<b>23</b>	<b>1</b>	<b>1</b>	<b>61</b>	<b>0</b>	<b>89</b>	<b>1219</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>0</b>

Peak Hour: 4:45 PM - 5:45 PM

Peak 15: 5:30 PM - 5:45 PM

PHF: 0.907609



Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384626

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
4:00 PM	0	0	67	4	0	1	0	0	4	0	5	50	1	1	0	0	0	3	0	0	0	0	0	0	0
4:05 PM	0	0	61	0	0	0	0	0	1	0	3	51	3	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	49	1	0	3	0	0	2	0	5	50	0	1	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	1	0	57	2	0	0	0	0	1	0	3	53	0	1	0	4	1	0	0	0	0	0	0	0	0
4:20 PM	0	1	53	1	0	1	0	0	2	0	4	52	1	3	0	1	0	1	0	0	0	1	0	0	0
4:25 PM	1	0	61	0	0	3	0	0	4	0	1	52	0	3	0	0	0	1	0	0	0	0	0	0	0
4:30 PM	0	1	45	1	0	1	0	0	3	0	5	49	1	1	0	1	0	1	0	0	0	2	0	2	0
4:35 PM	0	0	53	1	0	0	0	0	3	0	3	52	0	1	0	0	0	0	0	0	0	1	0	0	0
4:40 PM	0	0	62	0	0	1	0	0	1	0	3	41	1	0	0	0	0	0	0	0	0	1	0	0	0
4:45 PM	0	1	61	1	0	2	0	0	3	0	4	47	1	1	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	2	58	3	0	1	0	0	6	0	4	44	0	0	0	0	0	0	0	0	0	0	0	1	0
4:55 PM	1	0	62	3	0	1	0	0	0	0	7	45	0	0	0	0	1	0	0	0	1	0	0	0	0
5:00 PM	0	0	65	2	0	1	0	0	1	0	1	57	1	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	55	1	0	2	0	0	2	0	2	52	0	0	0	1	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	70	0	0	0	0	0	2	0	1	45	2	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	1	58	2	0	2	0	0	4	0	4	53	0	2	0	1	0	0	0	0	0	0	0	0	0
5:20 PM	0	3	51	1	0	3	0	0	5	0	4	47	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	70	2	0	0	0	0	2	0	1	49	0	1	0	1	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	58	0	0	0	1	0	0	0	3	48	1	1	0	0	0	1	0	0	0	0	0	0	0
5:35 PM	0	2	76	2	0	0	0	0	0	0	1	62	1	0	0	0	0	0	0	0	0	1	0	0	0
5:40 PM	0	1	57	0	0	0	0	0	5	0	9	51	1	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	45	0	0	0	0	1	2	0	9	36	1	0	0	0	0	2	0	0	1	1	0	0	0
5:50 PM	0	0	50	0	0	0	0	0	4	0	3	47	0	0	0	0	0	0	0	0	0	0	0	0	0
5:55 PM	0	0	69	0	0	1	0	0	2	0	3	59	1	0	0	0	0	0	0	0	1	1	0	0	0
<b>Total</b>	<b>3</b>	<b>12</b>	<b>1413</b>	<b>27</b>	<b>0</b>	<b>23</b>	<b>1</b>	<b>1</b>	<b>59</b>	<b>0</b>	<b>88</b>	<b>1192</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>0</b>



Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384626

Location:	Cabrillo Hwy (Hwy 1) Southbound				California Ave Westbound				Cabrillo Hwy (Hwy 1) Northbound				California Ave Eastbound				Wienke Way Southeastbound			
	Right to Wienke Way	Right	Thru	Left	Right	Thru to Wienke Way	Thru	Left	Right	Thru	Left to Wienke Way	Left	Right	Thru	Left	Left to Wienke Way	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)
4:00 PM	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:20 PM	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
4:55 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5:35 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:40 PM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5:50 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



Location: California Ave & Cabrillo Hwy

Date: 4/20/2017

Site Code: 14384626

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	Peds	Right	Thru to Wienke Way	Thru	Left	Peds	Right	Thru	Left to Wienke Way	Left	Peds	Right	Thru	Left	Left to Wienke Way	Peds	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	Peds
4:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0
5:50 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>





Location: California Ave & Cabrillo Hwy

Date: 4/22/2017

Site Code: 14384627

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
11:00 AM	1	0	66	0	0	1	0	1	1	0	2	49	1	1	0	1	0	1	0	0	1	0	0	0	0
11:05 AM	1	2	76	1	0	1	0	1	3	0	3	53	0	2	0	0	1	0	0	0	1	2	0	0	0
11:10 AM	0	0	74	1	0	4	0	0	3	0	3	47	0	0	0	1	0	1	0	0	0	0	0	0	0
11:15 AM	0	0	64	1	0	1	0	0	0	0	6	58	0	4	0	2	1	1	0	0	0	0	1	0	0
11:20 AM	0	0	83	1	0	1	0	0	1	0	3	46	1	1	0	1	0	1	0	0	0	1	0	0	0
11:25 AM	1	0	59	0	0	1	0	0	2	0	4	64	0	2	0	0	0	2	0	0	0	1	0	0	0
11:30 AM	0	1	79	1	0	3	0	0	1	0	4	31	1	1	0	2	0	0	0	0	0	1	0	0	0
11:35 AM	1	0	75	0	0	1	0	0	6	0	5	52	0	0	0	2	0	1	0	0	1	2	0	0	0
11:40 AM	0	0	75	1	0	0	0	0	4	0	9	40	1	2	0	2	0	1	1	0	0	1	0	0	0
11:45 AM	0	0	79	0	0	1	0	0	3	0	4	38	0	0	0	2	0	0	0	0	0	1	0	0	0
11:50 AM	0	0	70	1	0	0	0	0	0	0	4	40	0	1	0	0	0	0	0	0	0	1	0	0	0
11:55 AM	0	1	73	1	0	2	1	1	2	0	2	48	1	1	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	87	0	0	5	0	0	1	0	3	54	0	0	0	4	0	1	0	0	0	2	0	1	0
12:05 PM	1	0	82	1	0	2	0	0	3	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0
12:10 PM	1	1	67	0	0	1	0	1	1	0	1	63	0	4	0	2	0	1	0	0	0	2	0	0	0
12:15 PM	0	1	70	1	0	2	0	0	2	0	0	57	0	4	1	2	0	0	0	0	0	0	0	0	0
12:20 PM	0	0	76	0	0	0	0	0	1	0	3	61	0	3	0	3	0	0	1	0	0	0	0	0	0
12:25 PM	1	1	91	1	0	1	0	0	4	0	4	51	0	3	0	1	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	51	0	0	1	0	0	1	0	2	65	1	3	0	1	0	1	0	0	0	1	0	0	0
12:35 PM	0	0	69	0	0	1	0	0	1	0	5	46	0	3	0	1	2	1	0	0	0	0	1	0	0
12:40 PM	0	1	69	0	0	2	0	1	5	0	4	47	0	3	0	3	0	0	0	0	0	2	0	2	0
12:45 PM	0	1	65	1	0	5	0	0	1	0	5	62	0	4	1	1	1	0	0	0	0	0	0	0	0
12:50 PM	2	1	64	1	0	0	0	0	1	0	3	58	0	0	0	3	0	1	0	0	0	0	0	0	0
12:55 PM	0	0	61	1	0	1	0	0	0	0	2	53	1	0	0	0	0	0	0	0	0	1	0	0	0
<b>Total</b>	<b>9</b>	<b>10</b>	<b>1725</b>	<b>14</b>	<b>0</b>	<b>37</b>	<b>1</b>	<b>5</b>	<b>47</b>	<b>0</b>	<b>85</b>	<b>1223</b>	<b>7</b>	<b>42</b>	<b>2</b>	<b>34</b>	<b>5</b>	<b>13</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>2</b>	<b>3</b>	<b>0</b>

Peak Hour: 11:55 AM - 12:55 PM

Peak 15: 12:40 PM - 12:55 PM

PHF: 0.952381



Location: California Ave & Cabrillo Hwy

Date: 4/22/2017

Site Code: 14384627

Location:	Cabrillo Hwy (Hwy 1) Southbound					California Ave Westbound					Cabrillo Hwy (Hwy 1) Northbound					California Ave Eastbound					Wienke Way Southeastbound				
	Right to Wienke Way	Right	Thru	Left	U-Turn	Right	Thru to Wienke Way	Thru	Left	U-Turn	Right	Thru	Left to Wienke Way	Left	U-Turn	Right	Thru	Left	Left to Wienke Way	U-Turn	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)	U-Turn
11:00 AM	1	0	64	0	0	1	0	1	1	0	2	49	1	1	0	1	0	1	0	0	1	0	0	0	0
11:05 AM	0	2	76	1	0	1	0	1	3	0	3	53	0	2	0	0	0	1	0	0	0	0	2	0	0
11:10 AM	0	0	72	1	0	4	0	0	3	0	3	45	0	0	0	1	0	1	0	0	0	0	0	0	0
11:15 AM	0	0	63	1	0	1	0	0	0	0	6	57	0	4	0	2	1	1	0	0	0	0	1	0	0
11:20 AM	0	0	82	1	0	1	0	0	1	0	3	45	1	1	0	1	0	1	0	0	0	1	0	0	0
11:25 AM	1	0	59	0	0	1	0	0	2	0	4	63	0	2	0	0	0	2	0	0	0	1	0	0	0
11:30 AM	0	1	77	1	0	3	0	0	1	0	4	31	1	1	0	2	0	0	0	0	0	1	0	0	0
11:35 AM	1	0	72	0	0	1	0	0	6	0	5	51	0	0	0	2	0	1	0	0	1	2	0	0	0
11:40 AM	0	0	75	1	0	0	0	0	4	0	9	40	1	2	0	2	0	1	1	0	0	1	0	0	0
11:45 AM	0	0	79	0	0	1	0	0	3	0	4	37	0	0	0	2	0	0	0	0	0	1	0	0	0
11:50 AM	0	0	66	1	0	0	0	0	0	0	4	39	0	1	0	0	0	0	0	0	0	1	0	0	0
11:55 AM	0	1	73	1	0	2	1	1	2	0	2	47	1	1	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	87	0	0	5	0	0	1	0	3	54	0	0	0	4	0	1	0	0	0	2	0	1	0
12:05 PM	1	0	82	1	0	2	0	0	3	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0
12:10 PM	1	1	66	0	0	1	0	1	1	0	1	63	0	4	0	2	0	1	0	0	0	2	0	0	0
12:15 PM	0	1	69	1	0	2	0	0	2	0	0	57	0	4	1	2	0	0	0	0	0	0	0	0	0
12:20 PM	0	0	74	0	0	0	0	0	1	0	3	60	0	3	0	3	0	0	1	0	0	0	0	0	0
12:25 PM	1	1	89	1	0	1	0	0	4	0	4	48	0	3	0	1	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	48	0	0	1	0	0	1	0	2	63	1	3	0	1	0	1	0	0	0	1	0	0	0
12:35 PM	0	0	65	0	0	1	0	0	1	0	5	45	0	3	0	1	2	1	0	0	0	0	1	0	0
12:40 PM	0	1	68	0	0	2	0	1	5	0	4	45	0	3	0	3	0	0	0	0	0	2	0	2	0
12:45 PM	0	1	64	1	0	5	0	0	1	0	5	59	0	4	1	1	1	0	0	0	0	0	0	0	0
12:50 PM	2	1	64	1	0	0	0	0	1	0	3	57	0	0	0	3	0	1	0	0	0	0	0	0	0
12:55 PM	0	0	57	1	0	1	0	0	0	0	2	53	1	0	0	0	0	0	0	0	0	1	0	0	0
<b>Total</b>	<b>8</b>	<b>10</b>	<b>1691</b>	<b>14</b>	<b>0</b>	<b>37</b>	<b>1</b>	<b>5</b>	<b>47</b>	<b>0</b>	<b>85</b>	<b>1201</b>	<b>7</b>	<b>42</b>	<b>2</b>	<b>34</b>	<b>5</b>	<b>13</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>3</b>	<b>0</b>



Location: California Ave & Cabrillo Hwy

Date: 4/22/2017

Site Code: 14384627

Location:	Cabrillo Hwy (Hwy 1) Southbound				California Ave Westbound				Cabrillo Hwy (Hwy 1) Northbound				California Ave Eastbound				Wienke Way Southeastbound			
	Right to Wienke Way	Right	Thru	Left	Right	Thru to Wienke Way	Thru	Left	Right	Thru	Left to Wienke Way	Left	Right	Thru	Left	Left to Wienke Way	Right to California Ave	Right to Cabrillo Hwy (Hwy 1)	Thru to California Ave	Left to Cabrillo Hwy (Hwy 1)
11:00 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:05 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11:10 AM	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:20 AM	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:25 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:35 AM	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:50 AM	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11:55 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:10 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:20 PM	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
12:25 PM	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
12:35 PM	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12:40 PM	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
12:50 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12:55 PM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

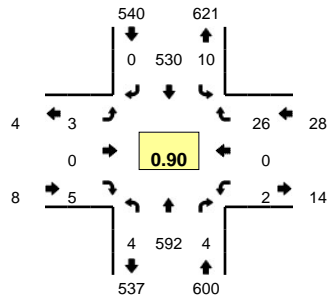


Type of peak hour being reported: Intersection Peak

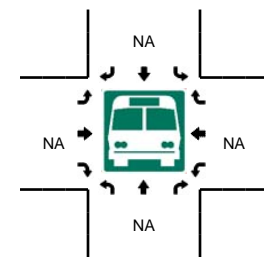
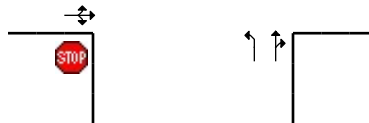
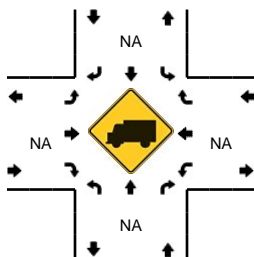
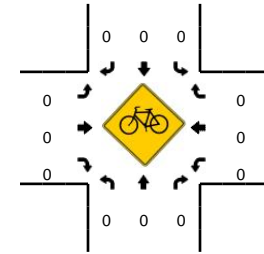
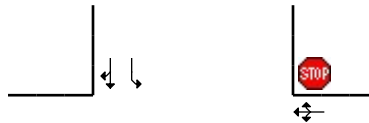
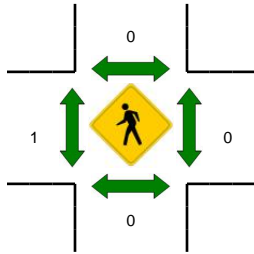
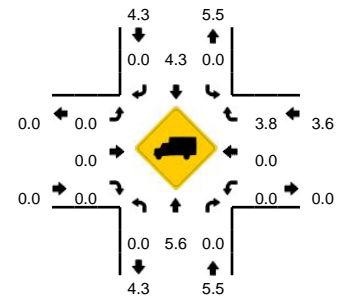
Method for determining peak hour: Total Entering Volume

**LOCATION:** Cabrillo Hwy (Hwy 1) -- Vallemar St/Etheldore St  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384628  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 7:45 AM -- 8:45 AM**  
**Peak 15-Min: 8:10 AM -- 8:25 AM**

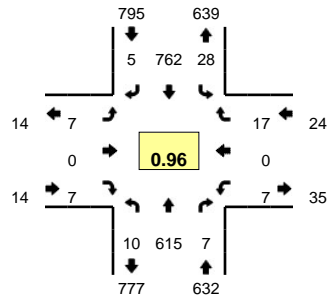


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				Vallemar St/Etheldore St (Eastbound)				Vallemar St/Etheldore St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	1	49	0	0	1	21	1	0	0	0	1	0	0	0	4	0	78	
7:05 AM	0	53	0	0	0	25	0	0	0	0	1	0	0	0	2	0	81	
7:10 AM	0	44	0	0	0	30	0	0	0	0	0	0	2	0	0	0	76	
7:15 AM	0	49	1	0	1	25	0	0	0	0	0	0	0	0	5	0	81	
7:20 AM	0	55	0	0	0	29	0	0	3	0	0	0	1	0	4	0	92	
7:25 AM	0	42	0	0	0	24	0	0	0	0	1	0	0	0	2	0	69	
7:30 AM	0	50	0	0	2	27	1	0	1	0	2	0	1	0	2	0	86	
7:35 AM	0	48	0	0	0	29	0	0	0	0	1	0	0	0	3	0	81	
7:40 AM	1	52	0	0	0	43	0	0	1	0	0	0	0	0	4	0	101	
7:45 AM	0	53	2	0	0	50	0	0	2	0	0	0	0	0	2	0	109	
7:50 AM	0	51	0	0	1	47	0	0	0	0	0	0	0	0	2	0	101	
7:55 AM	0	43	1	0	1	41	0	0	0	0	1	0	0	0	2	0	89	1044
8:00 AM	0	49	0	0	0	26	0	0	0	0	0	0	0	0	1	0	76	1042
8:05 AM	0	40	0	0	1	34	0	0	0	0	1	0	0	0	0	0	76	1037
8:10 AM	1	51	0	0	2	43	0	0	0	0	0	0	1	0	4	0	102	1063
8:15 AM	1	58	0	0	2	46	0	0	0	0	0	0	0	0	5	0	112	1094
8:20 AM	1	68	0	0	2	38	0	0	1	0	0	0	0	0	3	0	113	1115
8:25 AM	0	49	1	0	0	41	0	0	0	0	1	0	1	0	1	0	94	1140
8:30 AM	0	34	0	0	1	46	0	0	0	0	0	0	0	0	1	0	82	1136
8:35 AM	0	48	0	0	0	65	0	0	0	0	2	0	0	0	1	0	116	1171
8:40 AM	1	48	0	0	0	53	0	0	0	0	0	0	0	0	4	0	106	1176
8:45 AM	0	31	0	0	1	43	0	0	1	0	1	0	0	0	1	0	78	1145
8:50 AM	0	43	0	0	1	34	1	0	0	0	0	0	0	0	1	0	80	1124
8:55 AM	0	32	0	0	0	44	0	0	0	0	1	0	0	0	3	0	80	1115
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	12	708	0	0	24	508	0	0	4	0	0	0	4	0	48	0	1308	
Heavy Trucks	0	40	0	0	0	12	0	0	0	0	0	0	0	0	0	0	52	
Pedestrians		0				0				0				0			0	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Railroad																		
Stopped Buses																		

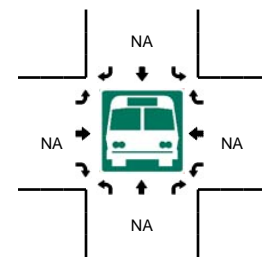
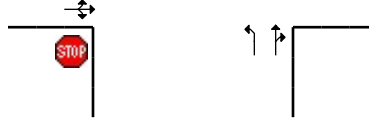
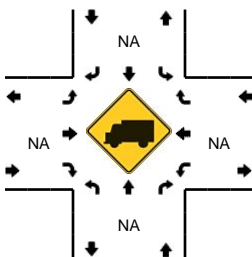
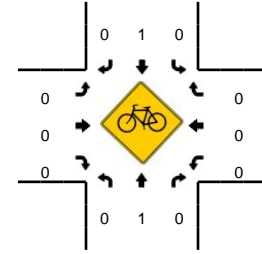
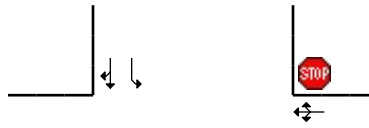
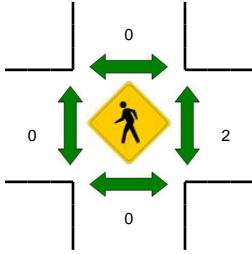
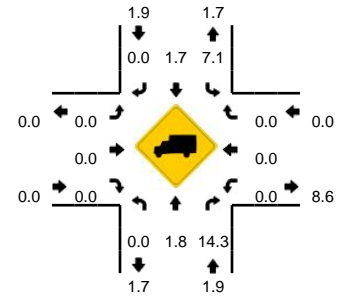
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- Vallemar St/Etheldore St  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384629  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 4:45 PM -- 5:45 PM**  
**Peak 15-Min: 4:50 PM -- 5:05 PM**

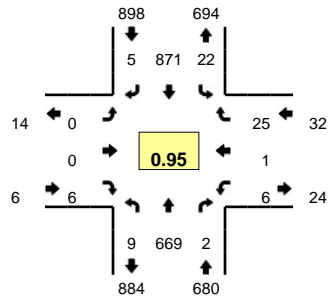


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				Vallemar St/Etheldore St (Eastbound)				Vallemar St/Etheldore St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	20	0	0	0	30	0	0	0	0	0	0	0	0	0	0	50	
4:05 PM	1	53	0	0	3	67	0	0	0	0	0	0	0	0	1	0	125	
4:10 PM	1	50	1	0	2	53	0	0	0	0	0	0	0	2	0	0	109	
4:15 PM	0	53	1	0	2	62	0	0	0	0	0	0	0	2	0	0	120	
4:20 PM	0	56	1	0	0	54	0	0	0	0	1	0	1	0	0	0	113	
4:25 PM	0	54	2	0	4	65	1	0	0	0	0	0	0	1	0	0	127	
4:30 PM	0	50	2	0	1	45	1	0	0	0	0	0	0	1	1	0	101	
4:35 PM	0	52	0	0	1	57	1	0	0	0	0	2	0	0	1	0	114	
4:40 PM	0	44	1	0	2	66	0	0	0	0	0	0	0	0	0	0	113	
4:45 PM	2	51	0	0	4	62	0	0	0	0	1	0	1	0	2	0	123	
4:50 PM	1	47	1	0	3	56	1	0	0	0	1	0	1	0	2	0	113	
4:55 PM	2	44	1	1	4	75	0	0	1	0	0	0	1	0	2	0	131	1339
5:00 PM	1	62	0	0	0	69	0	0	0	0	1	0	0	0	6	0	139	1428
5:05 PM	0	53	2	0	1	51	1	0	0	0	0	0	0	0	0	0	108	1411
5:10 PM	0	47	1	0	2	68	0	0	0	0	1	0	0	0	0	0	119	1421
5:15 PM	1	52	0	0	5	61	0	0	2	0	1	0	1	0	1	0	124	1425
5:20 PM	1	51	0	0	1	52	1	0	2	0	0	0	1	0	1	0	110	1422
5:25 PM	0	49	0	0	4	78	1	0	0	0	1	0	1	0	1	0	135	1430
5:30 PM	1	49	0	0	2	55	0	0	0	0	0	0	0	0	0	0	107	1436
5:35 PM	0	58	2	0	1	73	0	0	1	0	1	0	1	0	1	0	138	1460
5:40 PM	0	52	0	0	1	62	1	0	1	0	0	0	0	1	0	0	118	1465
5:45 PM	0	37	1	0	3	45	0	0	0	0	0	0	0	0	2	0	88	1430
5:50 PM	0	49	0	0	4	53	0	0	1	0	0	0	0	0	2	0	109	1426
5:55 PM	0	62	0	0	2	71	0	0	0	0	0	0	0	0	0	0	135	1430
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	16	612	8	4	28	800	4	0	4	0	8	0	8	0	40	0	1532	
Heavy Trucks	0	24	0	0	0	12	0	0	0	0	0	0	0	0	0	0	36	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

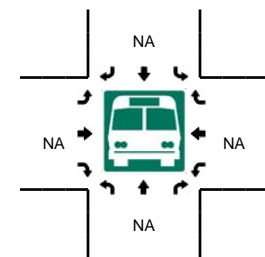
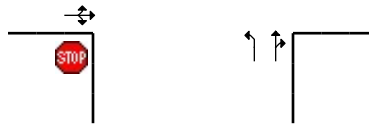
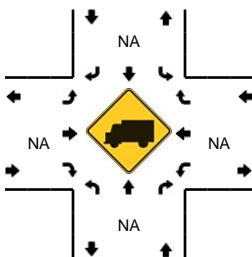
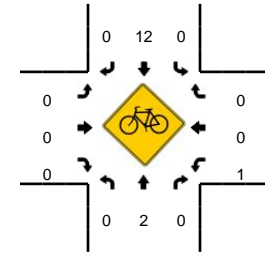
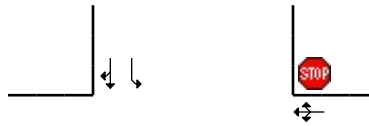
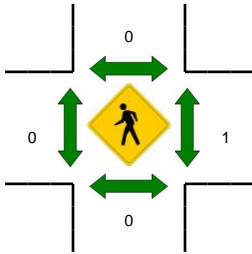
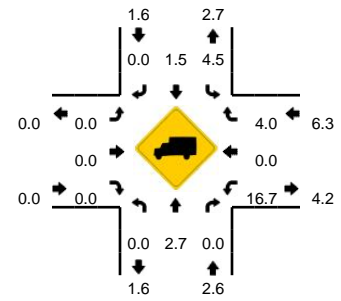
Comments:

**LOCATION:** Cabrillo Hwy(Hwy 1) -- Vallemar St/Etheldore St  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384630  
**DATE:** Sat, Apr 22 2017



**Peak-Hour: 11:55 AM -- 12:55 PM**  
**Peak 15-Min: 12:15 PM -- 12:30 PM**

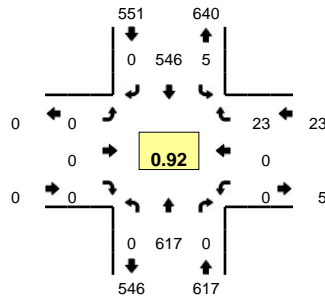


5-Min Count Period Beginning At	Cabrillo Hwy(Hwy 1) (Northbound)				Cabrillo Hwy(Hwy 1) (Southbound)				Vallemar St/Etheldore St (Eastbound)				Vallemar St/Etheldore St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	1	50	0	0	2	58	2	0	0	0	2	0	1	1	1	0	118	
11:05 AM	0	59	0	0	0	80	0	0	0	0	0	0	2	0	3	0	144	
11:10 AM	0	51	0	0	2	73	0	0	0	0	0	0	2	0	2	0	130	
11:15 AM	0	56	1	0	0	63	0	0	0	0	1	0	1	0	3	0	125	
11:20 AM	1	47	0	0	2	83	0	0	0	0	0	0	0	0	2	0	135	
11:25 AM	1	65	0	0	2	61	0	0	2	0	0	0	1	0	3	0	135	
11:30 AM	1	38	0	0	3	77	1	0	0	0	1	0	1	0	2	0	124	
11:35 AM	0	52	0	0	1	78	0	0	0	0	0	0	0	0	0	0	131	
11:40 AM	0	39	3	0	1	74	0	0	0	0	1	0	0	0	1	0	119	
11:45 AM	0	39	0	0	2	81	0	0	0	0	0	0	0	0	5	0	127	
11:50 AM	0	39	1	0	3	69	0	0	0	1	0	0	0	0	2	0	115	
11:55 AM	0	46	0	0	3	74	0	0	0	0	0	0	1	0	2	0	126	1529
12:00 PM	1	64	0	0	2	88	0	0	0	0	0	0	1	0	2	0	158	1569
12:05 PM	1	41	0	0	2	81	0	0	0	0	0	0	1	0	2	0	128	1553
12:10 PM	1	64	0	0	3	64	0	0	0	0	1	0	0	0	2	0	135	1558
12:15 PM	0	56	1	0	1	76	1	0	0	0	0	0	0	0	2	0	137	1570
12:20 PM	2	59	0	0	1	77	0	0	0	0	1	0	1	0	3	0	144	1579
12:25 PM	1	50	0	1	2	89	0	0	0	0	1	0	0	0	0	0	144	1588
12:30 PM	0	68	0	0	0	47	0	0	0	0	0	0	0	0	2	0	117	1581
12:35 PM	0	48	0	0	1	68	0	0	0	0	0	0	0	0	2	0	119	1569
12:40 PM	0	49	0	0	2	76	3	0	0	0	0	0	1	0	2	0	133	1583
12:45 PM	2	67	0	0	0	61	0	0	0	0	2	0	1	0	2	0	135	1591
12:50 PM	0	57	1	0	5	70	1	0	0	0	1	0	0	1	4	0	140	1616
12:55 PM	0	55	0	0	0	57	0	0	0	0	1	0	0	1	0	0	114	1604
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	12	660	4	4	16	968	4	0	0	0	8	0	4	0	20	0	1700	
Heavy Trucks	0	24	0	0	0	16	0	0	0	0	0	0	4	0	0	0	44	
Pedestrians		0				0					0				0		0	
Bicycles	0	1	0		0	0	0		0	0	0		0	0	0		1	
Railroad																		
Stopped Buses																		

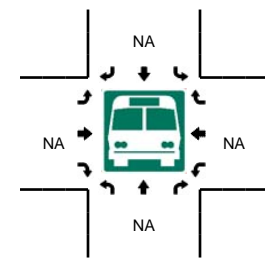
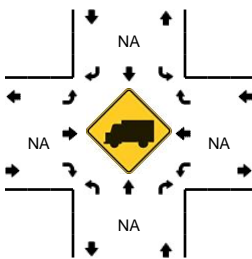
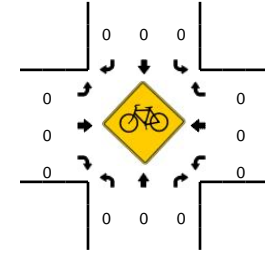
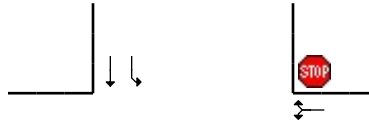
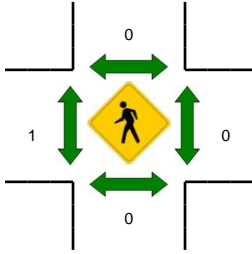
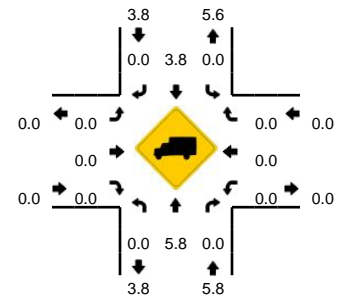
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- Carlos St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384601  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 7:45 AM -- 8:45 AM**  
**Peak 15-Min: 8:10 AM -- 8:25 AM**



5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				Carlos St (Eastbound)				Carlos St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
7:00 AM	0	55	0	0	0	23	0	0	0	0	0	0	0	0	0	4	0	82	
7:05 AM	0	50	0	0	1	23	0	0	0	0	0	0	0	0	0	0	0	74	
7:10 AM	0	49	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	82	
7:15 AM	0	53	0	0	1	25	0	0	0	0	0	0	0	0	0	3	0	82	
7:20 AM	0	62	0	0	0	28	0	0	0	0	0	0	0	0	0	2	0	92	
7:25 AM	0	44	0	0	0	27	0	0	0	0	0	0	0	0	0	3	0	74	
7:30 AM	0	54	0	0	1	23	0	0	0	0	0	0	0	0	0	0	0	78	
7:35 AM	0	50	0	0	1	40	0	0	0	0	0	0	0	0	0	0	0	91	
7:40 AM	0	59	0	0	0	39	0	0	0	0	0	0	0	0	0	1	0	99	
7:45 AM	0	53	0	0	0	46	0	0	0	0	0	0	0	0	0	1	0	100	
7:50 AM	0	57	0	0	1	57	0	0	0	0	0	0	0	0	0	2	0	117	
7:55 AM	0	44	0	0	0	36	0	0	0	0	0	0	0	0	0	2	0	82	1053
8:00 AM	0	50	0	0	0	24	0	0	0	0	0	0	0	0	0	1	0	75	1046
8:05 AM	0	38	0	0	0	42	0	0	0	0	0	0	0	0	0	3	0	83	1055
8:10 AM	0	56	0	0	0	41	0	0	0	0	0	0	0	0	0	3	0	100	1073
8:15 AM	0	64	0	0	0	45	0	0	0	0	0	0	0	0	0	1	0	110	1101
8:20 AM	0	71	0	0	2	40	0	0	0	0	0	0	0	0	0	1	0	114	1123
8:25 AM	0	49	0	0	0	42	0	0	0	0	0	0	0	0	0	5	0	96	1145
8:30 AM	0	37	0	0	0	50	0	0	0	0	0	0	0	0	0	1	0	88	1155
8:35 AM	0	51	0	0	2	67	0	0	0	0	0	0	0	0	0	0	0	120	1184
8:40 AM	0	47	0	0	0	56	0	0	0	0	0	0	0	0	0	3	0	106	1191
8:45 AM	0	39	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0	76	1167
8:50 AM	0	40	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	80	1130
8:55 AM	0	37	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	76	1124
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	0	764	0	0	8	504	0	0	0	0	0	0	0	0	0	20	0	1296	
Heavy Trucks	0	44	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	52	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																			
Stopped Buses																			

Comments:

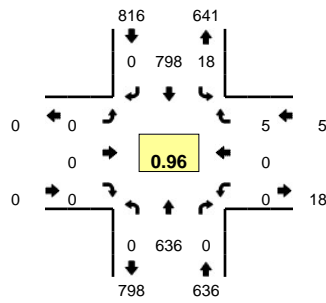


Type of peak hour being reported: Intersection Peak

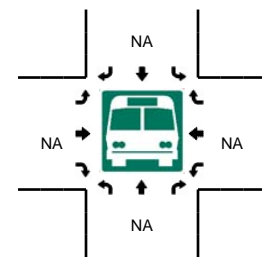
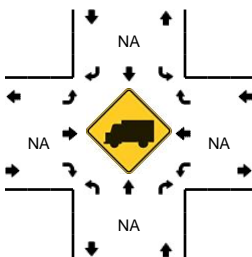
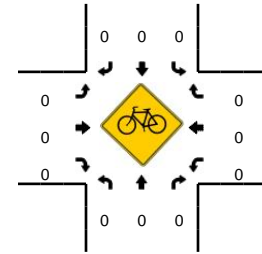
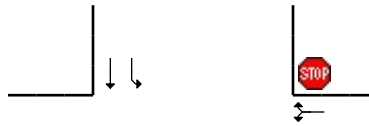
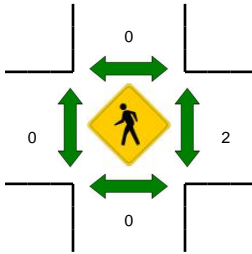
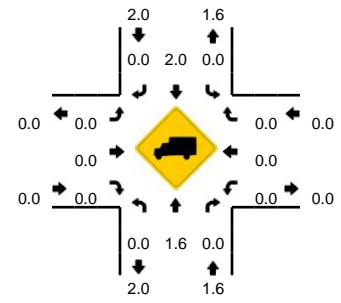
Method for determining peak hour: Total Entering Volume

**LOCATION:** Cabrillo Hwy (Hwy 1) -- Carlos St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384602  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 4:45 PM -- 5:45 PM**  
**Peak 15-Min: 4:55 PM -- 5:10 PM**

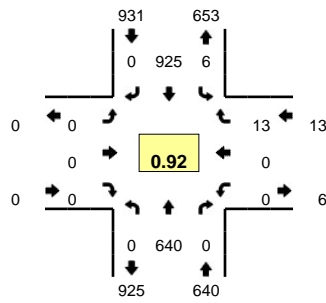


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				Carlos St (Eastbound)				Carlos St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
4:00 PM	0	66	0	0	0	76	0	0	0	0	0	0	0	0	0	1	0	143	
4:05 PM	0	53	0	0	2	69	0	0	0	0	0	0	0	0	0	1	0	125	
4:10 PM	0	51	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	98	
4:15 PM	0	57	0	0	1	70	0	0	0	0	0	0	0	0	0	0	0	128	
4:20 PM	0	53	0	0	1	44	0	0	0	0	0	0	0	0	0	1	0	99	
4:25 PM	0	57	0	0	0	73	0	0	0	0	0	0	0	0	0	0	0	130	
4:30 PM	0	50	0	0	1	44	0	0	0	0	0	0	0	0	0	1	0	96	
4:35 PM	0	56	0	0	1	70	0	0	0	0	0	0	0	0	0	0	0	127	
4:40 PM	0	42	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	100	
4:45 PM	0	50	0	0	2	76	0	0	0	0	0	0	0	0	0	0	0	128	
4:50 PM	0	52	0	0	3	61	0	0	0	0	0	0	0	0	0	0	0	116	
4:55 PM	0	47	0	0	0	79	0	0	0	0	0	0	0	0	0	0	0	126	1416
5:00 PM	0	62	0	0	1	62	0	0	0	0	0	0	0	0	0	0	0	125	1398
5:05 PM	0	59	0	0	3	65	0	0	0	0	0	0	0	0	0	0	0	127	1400
5:10 PM	0	39	0	0	2	57	0	0	0	0	0	0	0	0	2	0	0	100	1402
5:15 PM	0	59	0	0	1	68	0	0	0	0	0	0	0	0	0	0	0	128	1402
5:20 PM	0	49	0	0	1	70	0	0	0	0	0	0	0	0	1	0	0	121	1424
5:25 PM	0	56	0	0	3	68	0	0	0	0	0	0	0	0	0	0	0	127	1421
5:30 PM	0	49	0	0	1	54	0	0	0	0	0	0	0	0	0	0	0	104	1429
5:35 PM	0	59	0	0	1	79	0	0	0	0	0	0	0	0	2	0	0	141	1443
5:40 PM	0	55	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0	114	1457
5:45 PM	0	42	0	0	3	53	0	0	0	0	0	0	0	0	0	0	0	98	1427
5:50 PM	0	48	0	0	2	56	0	0	0	0	0	0	0	0	3	0	0	109	1420
5:55 PM	0	62	0	0	3	75	0	0	0	0	0	0	0	0	1	0	0	141	1435
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	0	672	0	0	16	824	0	0	0	0	0	0	0	0	0	0	0	1512	
Heavy Trucks	0	16	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	28	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																			
Stopped Buses																			

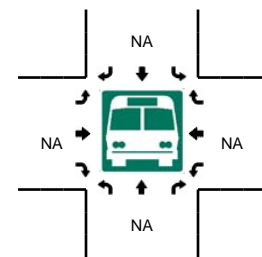
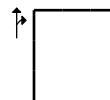
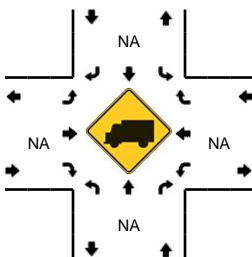
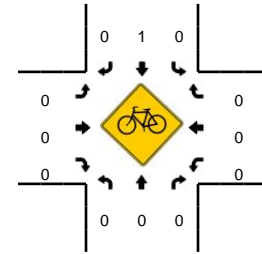
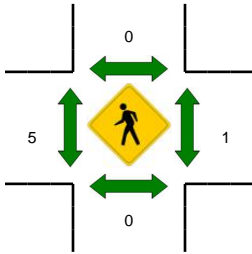
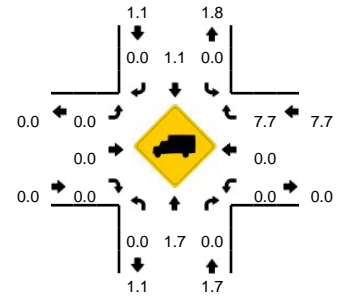
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- Carlos St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384603  
**DATE:** Sat, Apr 22 2017



**Peak-Hour: 11:35 AM -- 12:35 PM**  
**Peak 15-Min: 12:15 PM -- 12:30 PM**

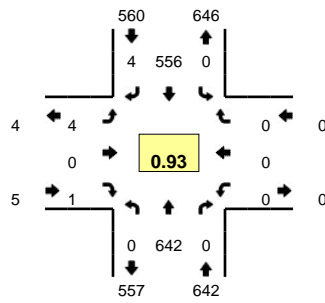


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				Carlos St (Eastbound)				Carlos St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
11:00 AM	0	50	0	0	2	61	0	0	0	0	0	0	0	0	0	1	0	114	
11:05 AM	0	57	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	139	
11:10 AM	0	60	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0	134	
11:15 AM	0	54	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	118	
11:20 AM	0	56	0	0	0	84	0	0	0	0	0	0	0	0	0	1	0	141	
11:25 AM	0	69	0	0	1	64	0	0	0	0	0	0	0	0	0	0	0	134	
11:30 AM	0	39	0	0	0	82	0	0	0	0	0	0	0	0	0	1	0	122	
11:35 AM	0	51	0	0	0	80	0	0	0	0	0	0	0	0	0	1	0	132	
11:40 AM	0	42	0	0	1	80	0	0	0	0	0	0	0	0	0	0	0	123	
11:45 AM	0	47	0	0	0	84	0	0	0	0	0	0	0	0	0	1	0	132	
11:50 AM	0	38	0	0	0	68	0	0	0	0	0	0	0	0	0	2	0	108	
11:55 AM	0	47	0	0	2	79	0	0	0	0	0	0	0	0	0	1	0	129	1526
12:00 PM	0	62	0	0	0	88	0	0	0	0	0	0	0	0	0	2	0	152	1564
12:05 PM	0	47	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	130	1555
12:10 PM	0	49	0	0	0	71	0	0	0	0	0	0	0	0	0	1	0	121	1542
12:15 PM	0	79	0	0	2	75	0	0	0	0	0	0	0	0	0	1	0	157	1581
12:20 PM	0	42	0	0	0	79	0	0	0	0	0	0	0	0	0	0	0	121	1561
12:25 PM	0	61	0	0	1	89	0	0	0	0	0	0	0	0	0	1	0	152	1579
12:30 PM	0	75	0	0	0	49	0	0	0	0	0	0	0	0	0	3	0	127	1584
12:35 PM	0	45	0	0	0	70	0	0	0	0	0	0	0	0	0	2	0	117	1569
12:40 PM	0	57	0	0	1	49	0	0	0	0	0	0	0	0	0	0	0	107	1553
12:45 PM	0	63	0	0	1	62	0	0	0	0	0	0	0	0	0	0	0	126	1547
12:50 PM	0	62	0	0	1	75	0	0	0	0	0	0	0	0	0	0	0	138	1577
12:55 PM	0	59	0	0	1	60	0	0	0	0	0	0	0	0	0	0	0	120	1568
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	0	728	0	0	12	972	0	0	0	0	0	0	0	0	8	0	1720		
Heavy Trucks	0	4	0	0	0	8	0	0	0	0	0	0	0	0	0	0	12		
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4		
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Railroad																			
Stopped Buses																			

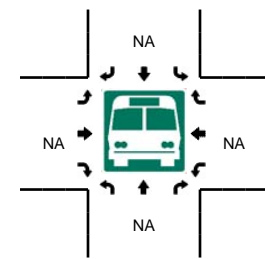
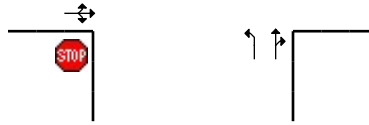
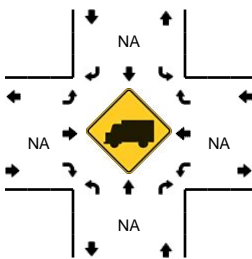
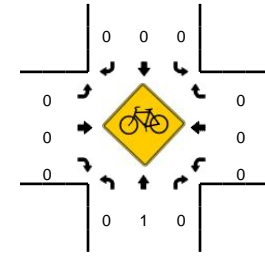
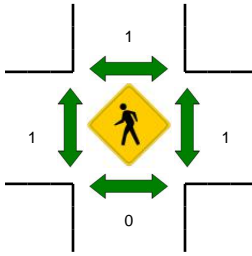
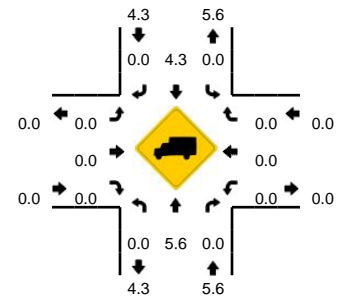
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- 16th St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384604  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 7:45 AM -- 8:45 AM**  
**Peak 15-Min: 8:10 AM -- 8:25 AM**

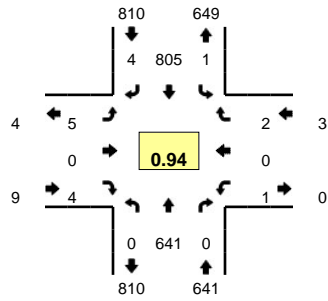


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				16th St (Eastbound)				16th St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
7:00 AM	0	58	0	0	0	21	0	0	0	0	0	0	0	0	0	0	79		
7:05 AM	0	55	0	0	0	24	1	0	0	0	0	0	0	0	0	0	80		
7:10 AM	0	47	0	0	0	35	0	0	0	0	0	0	0	0	0	0	82		
7:15 AM	0	55	0	0	0	25	0	0	0	0	0	0	0	0	0	0	80		
7:20 AM	0	43	0	0	0	25	0	0	0	0	0	0	0	0	0	0	68		
7:25 AM	2	46	0	0	0	31	0	0	0	0	0	0	0	0	0	0	79		
7:30 AM	0	53	0	0	0	22	0	0	1	0	0	0	0	0	0	0	76		
7:35 AM	0	51	0	0	0	45	0	0	1	0	0	0	1	0	0	0	98		
7:40 AM	0	56	0	0	0	35	0	0	0	0	0	0	0	0	0	0	91		
7:45 AM	0	58	0	0	0	49	1	0	0	0	0	0	0	0	0	0	108		
7:50 AM	0	57	0	0	0	57	1	0	3	0	0	0	0	0	0	0	118		
7:55 AM	0	48	0	0	0	35	0	0	0	0	0	0	0	0	0	0	83	1042	
8:00 AM	0	48	0	0	0	23	0	0	0	0	1	0	0	0	0	0	72	1035	
8:05 AM	0	44	0	0	0	44	0	0	0	0	0	0	0	0	0	0	88	1043	
8:10 AM	0	59	0	0	0	45	0	0	0	0	0	0	0	0	0	0	104	1065	
8:15 AM	0	62	0	0	0	42	0	0	0	0	0	0	0	0	0	0	104	1089	
8:20 AM	0	71	0	0	0	43	1	0	0	0	0	0	0	0	0	0	115	1136	
8:25 AM	0	56	0	0	0	45	0	0	0	0	0	0	0	0	0	0	101	1158	
8:30 AM	0	35	0	0	0	46	1	0	0	0	0	0	0	0	0	0	82	1164	
8:35 AM	0	50	0	0	0	71	0	0	1	0	0	0	0	0	0	0	122	1188	
8:40 AM	0	54	0	0	0	56	0	0	0	0	0	0	0	0	0	0	110	1207	
8:45 AM	0	33	0	0	0	33	1	0	0	0	0	0	0	0	0	0	67	1166	
8:50 AM	0	45	0	0	0	41	1	0	0	0	0	0	0	0	0	0	87	1135	
8:55 AM	0	36	0	0	0	40	0	0	1	0	0	0	1	0	1	0	79	1131	
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	0	768	0	0	0	520	4	0	0	0	0	0	0	0	0	0	1292		
Heavy Trucks	0	44	0	0	0	8	0	0	0	0	0	0	0	0	0	0	52		
Pedestrians		0				0				0				0			0		
Bicycles	0	1	0		0	0	0		0	0	0		0	0	0		1		
Railroad																			
Stopped Buses																			

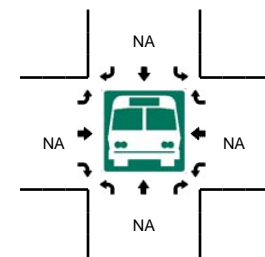
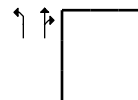
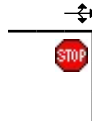
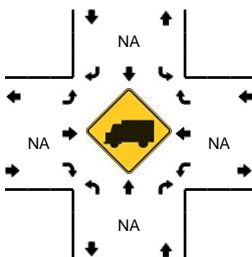
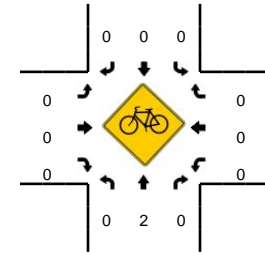
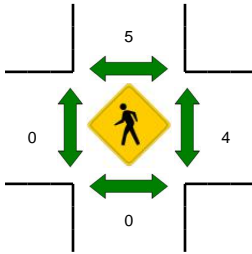
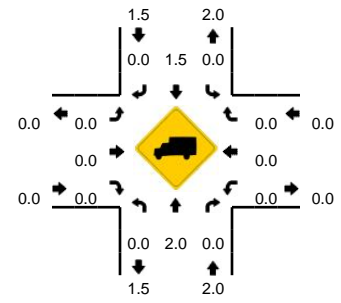
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- 16th St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384605  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 4:45 PM -- 5:45 PM**  
**Peak 15-Min: 4:55 PM -- 5:10 PM**

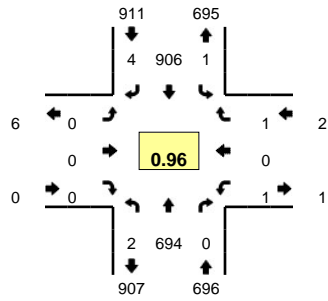


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				16th St (Eastbound)				16th St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
4:00 PM	0	58	0	0	0	70	0	0	2	0	2	0	0	0	0	0	132		
4:05 PM	0	53	0	0	0	71	0	0	0	0	1	0	0	0	0	0	125		
4:10 PM	1	50	0	0	0	48	0	0	0	0	0	0	0	0	0	0	99		
4:15 PM	0	56	0	0	0	72	2	0	1	0	0	0	0	0	0	0	131		
4:20 PM	0	56	0	0	0	55	1	0	0	0	0	0	0	0	0	0	112		
4:25 PM	0	55	0	0	0	58	1	0	0	0	0	0	0	0	0	0	114		
4:30 PM	1	53	0	0	0	53	0	0	4	0	0	0	0	0	0	0	111		
4:35 PM	0	49	1	0	0	64	0	0	0	0	0	0	0	0	0	0	114		
4:40 PM	0	45	0	0	0	61	0	0	0	0	0	0	0	0	0	0	106		
4:45 PM	0	55	0	0	0	79	0	0	0	0	0	0	0	0	1	0	135		
4:50 PM	0	45	0	0	0	62	0	0	0	0	0	0	0	0	0	0	107		
4:55 PM	0	45	0	0	0	82	0	0	0	0	0	0	0	0	0	0	127	1413	
5:00 PM	0	68	0	0	0	64	1	0	1	0	0	0	0	0	0	0	134	1415	
5:05 PM	0	52	0	0	0	70	2	1	2	0	0	0	0	0	0	0	127	1417	
5:10 PM	0	51	0	0	0	59	0	0	0	0	2	0	0	0	0	0	112	1430	
5:15 PM	0	53	0	0	0	64	1	0	0	0	0	0	0	0	0	0	118	1417	
5:20 PM	0	56	0	0	0	67	0	0	0	0	1	0	0	0	0	0	124	1429	
5:25 PM	0	49	0	0	0	76	0	0	1	0	0	0	0	0	0	0	126	1441	
5:30 PM	0	52	0	0	0	49	0	0	1	0	0	0	1	0	1	0	104	1434	
5:35 PM	0	62	0	0	0	74	0	0	0	0	1	0	0	0	0	0	137	1457	
5:40 PM	0	53	0	0	0	59	0	0	0	0	0	0	0	0	0	0	112	1463	
5:45 PM	0	37	0	0	0	57	0	0	0	0	0	0	0	0	0	0	94	1422	
5:50 PM	0	53	0	0	0	65	0	0	0	0	0	0	0	0	0	0	118	1433	
5:55 PM	0	62	0	0	1	73	1	0	0	0	0	0	0	0	0	0	137	1443	
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	0	660	0	0	0	864	12	4	12	0	0	0	0	0	0	0	1552		
Heavy Trucks	0	28	0	0	0	8	0	0	0	0	0	0	0	0	0	0	36		
Pedestrians		0				12				0				4			16		
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0		
Railroad																			
Stopped Buses																			

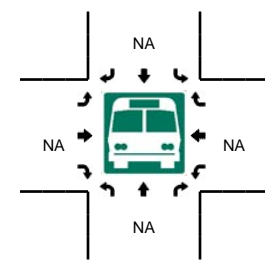
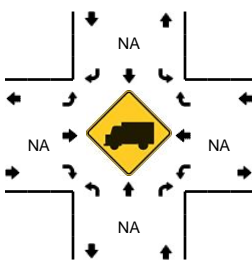
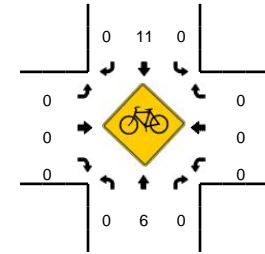
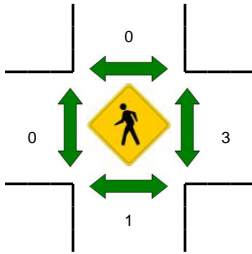
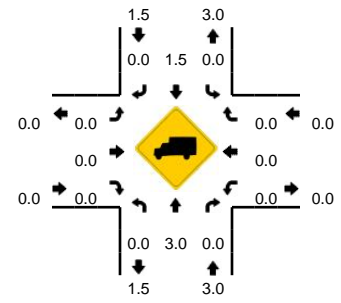
Comments:

**LOCATION:** Cabrillo Hwy (Hwy 1) -- 16th St  
**CITY/STATE:** Montara, CA

**QC JOB #:** 14384606  
**DATE:** Sat, Apr 22 2017



**Peak-Hour: 11:55 AM -- 12:55 PM**  
**Peak 15-Min: 12:10 PM -- 12:25 PM**

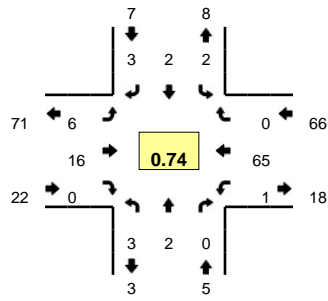


5-Min Count Period Beginning At	Cabrillo Hwy (Hwy 1) (Northbound)				Cabrillo Hwy (Hwy 1) (Southbound)				16th St (Eastbound)				16th St (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
11:00 AM	0	54	0	0	0	67	0	0	0	0	0	0	0	0	0	0	121		
11:05 AM	0	59	0	0	0	77	0	0	0	0	0	0	0	0	0	0	136		
11:10 AM	0	53	0	0	0	75	0	0	0	0	0	0	0	0	0	0	128		
11:15 AM	0	62	0	0	0	62	0	0	0	0	0	0	0	0	0	0	124		
11:20 AM	0	49	0	0	0	84	1	0	0	0	0	0	0	0	0	0	134		
11:25 AM	0	69	0	0	0	71	0	0	0	0	0	1	0	0	0	0	141		
11:30 AM	0	44	0	0	0	82	2	0	0	0	0	1	0	0	0	0	129		
11:35 AM	0	51	0	0	0	75	0	0	0	0	0	0	0	0	0	0	126		
11:40 AM	1	38	0	0	0	88	0	0	1	0	1	0	1	0	0	0	130		
11:45 AM	0	43	0	0	0	73	0	0	0	0	0	0	0	0	0	0	116		
11:50 AM	0	45	0	0	0	70	0	0	1	0	0	0	0	0	0	0	116		
11:55 AM	0	48	0	0	0	93	0	0	0	0	0	0	0	0	0	0	141	1542	
12:00 PM	0	68	0	0	0	81	0	0	0	0	0	0	0	0	0	0	149	1570	
12:05 PM	0	42	0	0	1	82	0	0	0	0	0	0	0	0	0	0	125	1559	
12:10 PM	1	68	0	0	0	72	0	0	0	0	0	0	0	0	0	0	141	1572	
12:15 PM	0	58	0	0	0	80	0	0	0	0	0	0	0	0	0	0	138	1586	
12:20 PM	0	60	0	0	0	78	0	0	0	0	0	0	0	0	0	0	138	1590	
12:25 PM	0	54	0	0	0	74	0	0	0	0	0	0	0	0	0	0	128	1577	
12:30 PM	1	69	0	0	0	55	0	0	0	0	0	0	0	0	0	0	125	1573	
12:35 PM	0	47	0	0	0	76	0	0	0	0	0	0	0	0	0	0	123	1570	
12:40 PM	0	51	0	0	0	63	1	0	0	0	0	0	0	1	0	0	116	1556	
12:45 PM	0	70	0	0	0	71	2	0	0	0	0	0	1	0	0	0	144	1584	
12:50 PM	0	59	0	0	0	81	1	0	0	0	0	0	0	0	0	0	141	1609	
12:55 PM	1	56	0	0	0	67	0	0	0	0	0	2	0	0	0	0	126	1594	
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	4	744	0	0	0	920	0	0	0	0	0	0	0	0	0	0	1668		
Heavy Trucks	0	12	0	0	0	8	0	0	0	0	0	0	0	0	0	0	20		
Pedestrians		0				0					0						0		
Bicycles	0	3	0		0	1	0		0	0	0		0	0	0		4		
Railroad																			
Stopped Buses																			

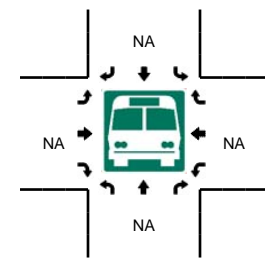
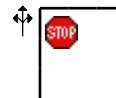
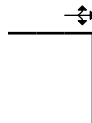
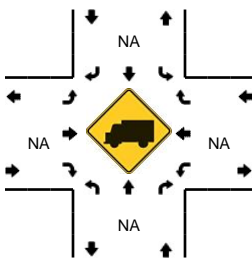
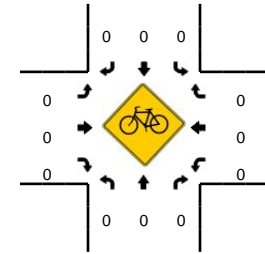
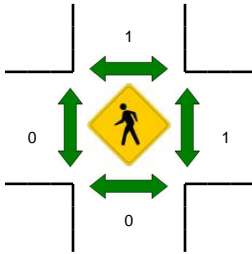
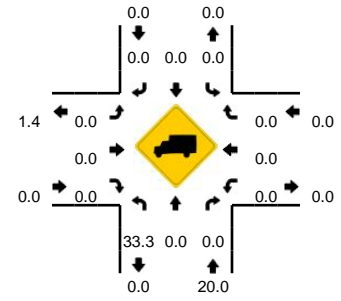
Comments:

**LOCATION:** Carlos St -- California Ave  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384622  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 7:25 AM -- 8:25 AM**  
**Peak 15-Min: 7:30 AM -- 7:45 AM**

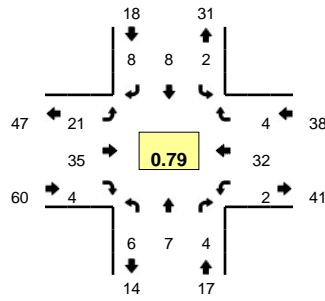


5-Min Count Period Beginning At	Carlos St (Northbound)				Carlos St (Southbound)				California Ave (Eastbound)				California Ave (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	
7:10 AM	0	0	0	0	0	0	0	0	1	0	0	0	1	5	0	0	7	
7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	
7:25 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	6	0	0	7	
7:30 AM	0	0	0	0	1	0	0	0	1	2	0	0	0	9	0	0	13	
7:35 AM	0	1	0	0	0	0	0	0	0	1	0	0	0	5	0	0	7	
7:40 AM	2	0	0	0	0	0	0	0	0	2	0	0	0	10	0	0	14	
7:45 AM	0	0	0	0	1	0	0	0	0	2	0	0	0	5	0	0	8	
7:50 AM	0	0	0	0	0	0	1	0	1	1	0	0	0	3	0	0	6	
7:55 AM	0	1	0	0	0	0	0	0	1	1	0	0	0	4	0	0	7	
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	5	0	0	7	
8:05 AM	0	0	0	0	0	0	1	0	1	1	0	0	0	5	0	0	8	
8:10 AM	0	0	0	0	0	0	0	0	0	3	0	0	1	6	0	0	10	
8:15 AM	1	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	6	
8:20 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	5	0	0	7	
8:25 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	5	0	0	6	
8:30 AM	0	0	0	0	0	0	0	0	1	1	0	0	0	5	0	0	7	
8:35 AM	0	1	0	0	0	0	2	0	2	4	0	0	0	5	0	0	14	
8:40 AM	0	0	0	0	0	0	1	0	1	0	0	0	0	5	0	0	7	
8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	4	
8:50 AM	0	0	0	0	0	0	2	0	0	1	0	0	0	5	0	0	8	
8:55 AM	0	1	0	0	0	0	1	0	2	4	0	0	0	5	1	0	14	
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	8	4	0	0	4	0	0	0	4	20	0	0	0	96	0	0	136	
Heavy Trucks	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

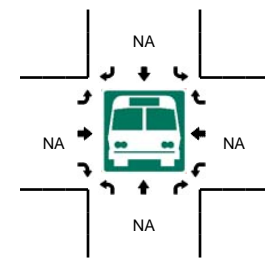
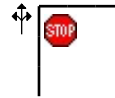
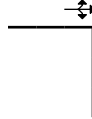
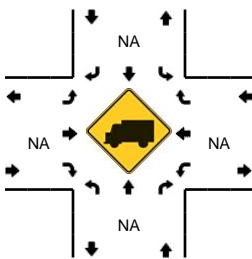
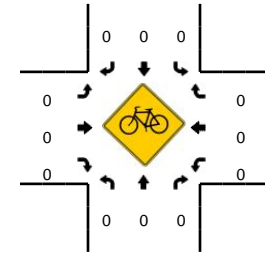
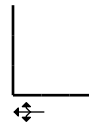
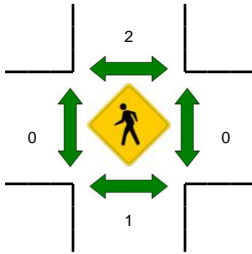
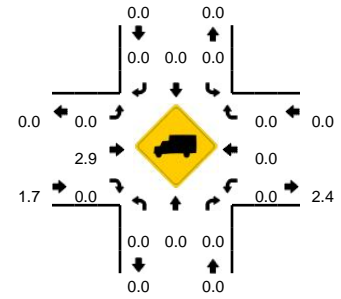
Comments:

**LOCATION:** Carlos St -- California Ave  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384623  
**DATE:** Thu, Apr 20 2017



**Peak-Hour: 4:00 PM -- 5:00 PM**  
**Peak 15-Min: 4:45 PM -- 5:00 PM**

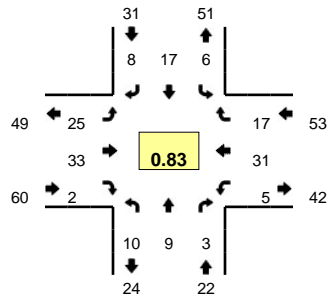


5-Min Count Period Beginning At	Carlos St (Northbound)				Carlos St (Southbound)				California Ave (Eastbound)				California Ave (Westbound)				Total	Hourly Totals	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
4:00 PM	1	0	0	0	0	1	0	0	0	0	5	1	0	1	4	0	0	13	
4:05 PM	0	0	0	0	1	0	1	0	4	1	0	0	1	0	0	0	0	8	
4:10 PM	1	0	1	0	0	0	0	0	3	1	0	0	0	4	0	0	0	10	
4:15 PM	0	1	1	0	0	2	0	0	3	3	1	0	0	1	0	0	0	12	
4:20 PM	0	0	0	0	0	0	0	0	1	3	0	0	0	2	0	0	0	6	
4:25 PM	0	1	0	0	1	0	3	0	0	1	0	0	0	0	4	0	0	10	
4:30 PM	0	2	1	0	0	2	1	0	2	3	1	0	0	4	1	0	0	17	
4:35 PM	0	0	0	0	0	0	0	0	1	2	0	0	0	2	0	0	0	5	
4:40 PM	2	0	0	0	0	1	0	0	1	2	0	0	0	2	2	0	0	10	
4:45 PM	2	1	0	0	0	0	0	0	0	6	1	1	0	4	0	0	0	15	
4:50 PM	0	2	1	0	0	0	2	0	1	2	0	0	0	3	0	0	0	11	
4:55 PM	0	0	0	0	0	2	1	0	4	6	0	0	0	2	1	0	0	16	133
5:00 PM	2	0	0	0	1	2	0	0	0	1	0	0	0	0	1	0	0	7	127
5:05 PM	0	0	2	0	0	0	1	0	0	4	0	0	0	2	0	0	0	9	128
5:10 PM	0	1	0	0	0	0	0	0	1	0	0	0	0	3	0	0	0	5	123
5:15 PM	0	0	1	0	1	1	2	0	1	5	0	0	0	4	0	0	0	15	126
5:20 PM	3	0	1	0	0	0	2	0	1	3	0	0	0	3	0	0	0	13	133
5:25 PM	1	0	0	0	1	0	0	0	0	3	0	0	1	1	0	0	0	7	130
5:30 PM	0	0	1	0	0	1	1	0	2	1	0	0	0	0	0	0	0	6	119
5:35 PM	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	0	0	6	120
5:40 PM	0	1	0	0	0	0	0	0	4	6	0	0	0	4	0	0	0	15	125
5:45 PM	0	0	0	0	1	1	1	0	0	7	0	0	0	2	1	0	0	13	123
5:50 PM	0	0	0	0	0	1	1	0	0	1	0	0	0	4	0	0	0	7	119
5:55 PM	1	0	1	0	0	1	1	0	2	3	0	0	0	0	0	0	0	9	112
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total		
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U			
All Vehicles	8	12	4	0	0	8	12	0	20	56	4	4	0	36	4	0	0	168	
Heavy Trucks	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	
Pedestrians		4				0				0				0				4	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0			0	
Railroad																			
Stopped Buses																			

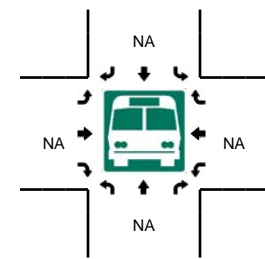
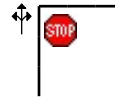
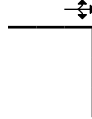
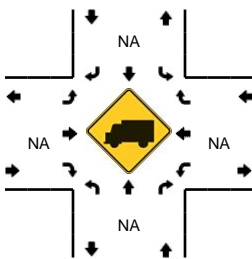
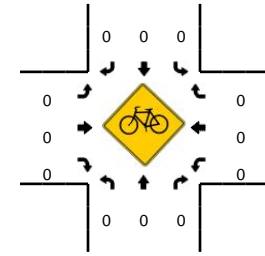
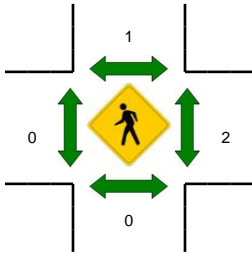
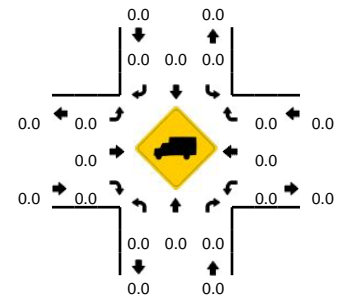
Comments:

**LOCATION:** Carlos St -- California Ave  
**CITY/STATE:** San Mateo, CA

**QC JOB #:** 14384624  
**DATE:** Sat, Apr 22 2017



**Peak-Hour: 11:10 AM -- 12:10 PM**  
**Peak 15-Min: 11:35 AM -- 11:50 AM**



5-Min Count Period Beginning At	Carlos St (Northbound)				Carlos St (Southbound)				California Ave (Eastbound)				California Ave (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	0	0	0	0	1	0	3	0	1	2	0	0	0	2	0	0	9	
11:05 AM	2	1	0	0	0	1	1	0	0	3	0	0	0	1	1	0	10	
11:10 AM	1	0	0	0	0	0	0	0	3	4	0	0	0	5	4	0	17	
11:15 AM	1	0	0	0	0	3	0	0	3	2	0	0	0	0	0	0	9	
11:20 AM	0	3	0	0	0	1	0	0	0	4	0	0	0	3	1	0	12	
11:25 AM	0	0	0	0	1	1	1	0	2	2	0	0	0	1	1	0	9	
11:30 AM	3	1	0	0	0	1	2	0	3	4	0	0	0	1	1	0	16	
11:35 AM	1	0	0	0	0	1	1	0	4	4	0	0	0	4	1	0	16	
11:40 AM	0	2	0	0	1	1	2	0	2	3	0	0	1	3	1	0	16	
11:45 AM	0	1	2	0	0	3	0	0	3	3	0	0	1	1	4	0	18	
11:50 AM	0	1	0	0	2	3	0	0	0	2	1	0	0	1	2	0	12	
11:55 AM	1	0	0	0	1	0	1	0	2	0	1	0	0	3	1	0	10	154
12:00 PM	3	1	1	0	1	2	1	0	1	2	0	0	2	4	1	0	19	164
12:05 PM	0	0	0	0	0	1	0	0	2	3	0	0	1	5	0	0	12	166
12:10 PM	0	0	1	0	0	0	1	0	0	1	0	0	0	1	0	1	5	154
12:15 PM	0	2	1	0	0	0	1	0	1	1	0	0	0	3	0	0	9	154
12:20 PM	1	0	0	0	0	0	0	0	2	4	0	0	0	2	0	0	9	151
12:25 PM	0	1	0	0	0	1	0	0	0	2	0	0	0	2	0	0	6	148
12:30 PM	1	0	0	0	0	0	0	0	0	2	0	0	1	2	0	0	6	138
12:35 PM	1	1	1	0	1	0	0	0	5	3	1	0	0	2	0	0	15	137
12:40 PM	0	1	1	0	1	0	1	0	1	2	0	0	0	8	0	0	15	136
12:45 PM	2	0	0	0	1	0	1	0	1	5	1	0	0	0	0	0	11	129
12:50 PM	0	0	0	0	0	0	0	0	3	0	1	0	0	1	0	0	5	122
12:55 PM	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0	4	116
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	4	12	8	0	4	20	12	0	36	40	0	0	8	32	24	0	200	
Heavy Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	8	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

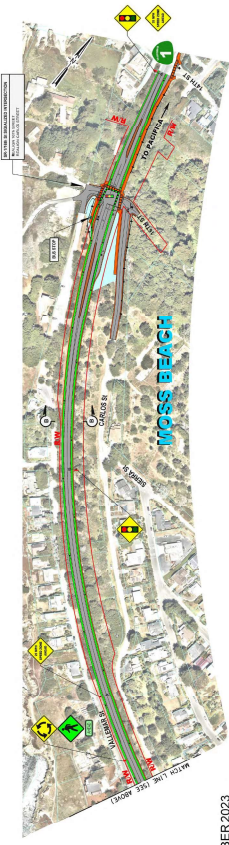
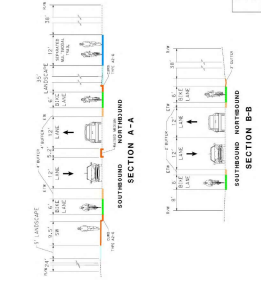
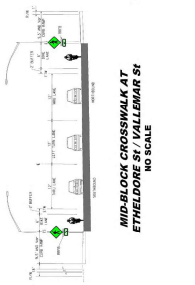
Comments:



# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-07780, SR-1, PM 34.8/35.9

## ALTERNATIVE 1 - ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION A - RAISED MEDIAN



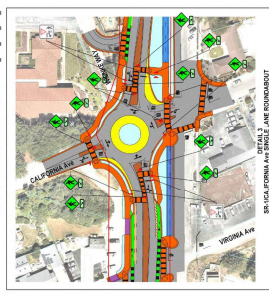
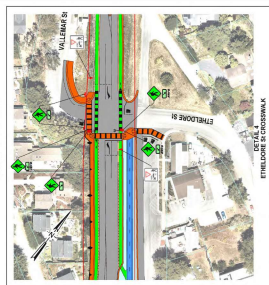
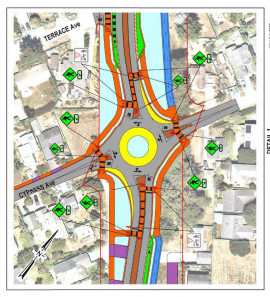
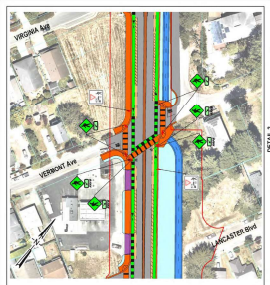
- LEGEND:**
- PROPOSED ROADWAY
  - PROPOSED BLACK TOP PAVEMENT
  - PROPOSED CLASS 1 REPAVED MULTIPURPOSE TRAIL
  - PROPOSED TRUCK REVERSE OVERPASS
  - PROPOSED OVERPASS
  - PROPOSED DRIVEWAY
  - PROPOSED BUS STOP
  - PROPOSED FILTER
  - PROPOSED BUFFER
  - PROPOSED LANDSCAPING
  - EXISTING AVENUE

**NOTE:**  
1. FOR DESIGN VARIATIONS, AT 16TH STREET SEE SHEET 3



NOVEMBER 2023  
**PRELIMINARY**  
CONSTRUCTION DOCUMENTS

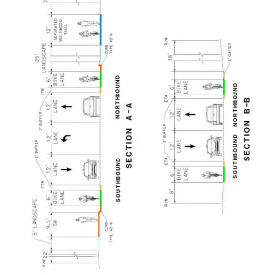
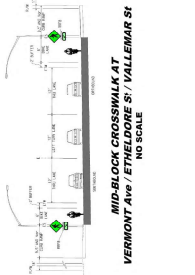
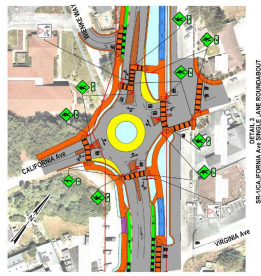
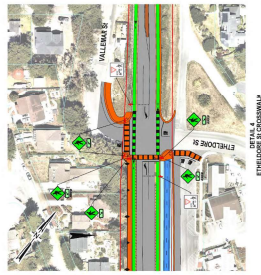
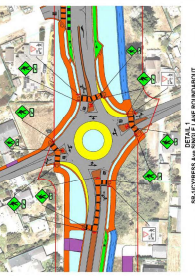
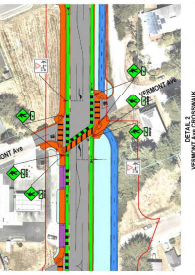
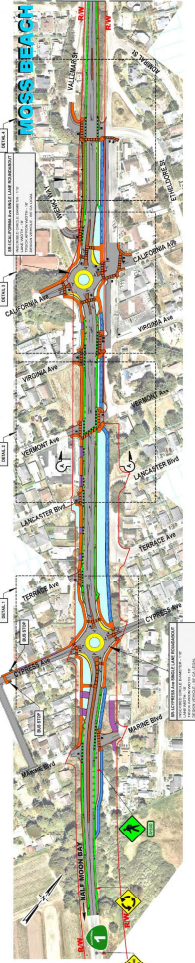
**EXHIBIT 1**



# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-0Y780, SR-1, PM 34.8/35.3

## BUILD ALTERNATIVE 1- ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION B - NO RAISED MEDIAN



- LEGEND:**
- PROPOSED SIDEWALK
  - PROPOSED BUFFERED CLASS II BIKE LANE
  - PROPOSED SHOULDER
  - PROPOSED TRUCK SHOULDER
  - PROPOSED SHOULDER MEDIAN
  - PROPOSED BIKE SHOULDER
  - PROPOSED BIKE SHIFTER
  - PROPOSED BIKEWAY
  - EXISTING BIKEWAY
  - EXISTING BIKEWAY

**NOTE:**  
1. SEE REGION MAPSHEET AT 17TH STREET FOR EXHIBIT 1.

AECOM

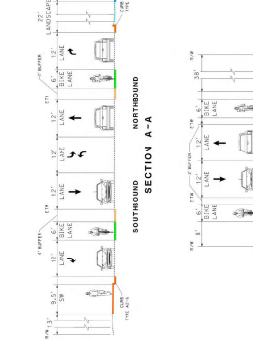
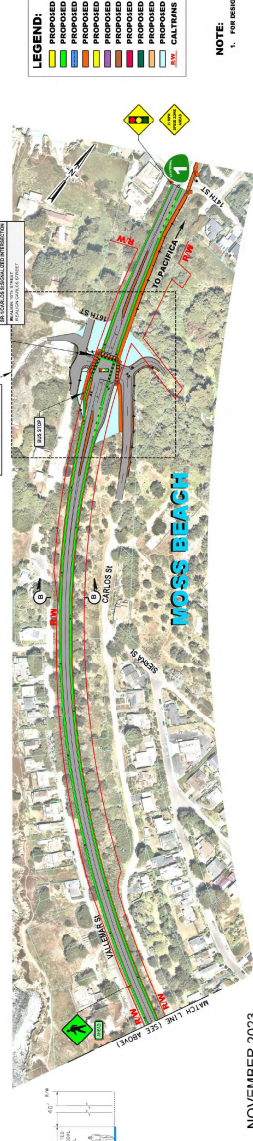
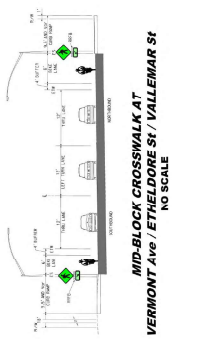
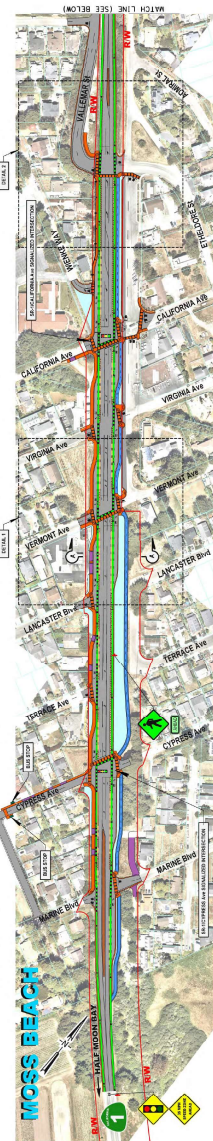
EXHIBIT 2

NOVEMBER 2023  
PRELIMINARY  
FOR DISCUSSION PURPOSES ONLY

# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

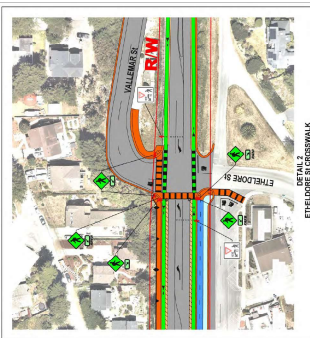
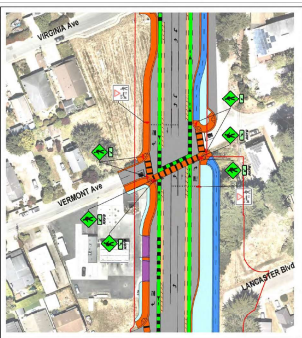
## EA 04-0Y780, SR-1, PM 34.8/35.9

### BUILD ALTERNATIVE 2- SIGNALS AT CYPRESS AVE, CALIFORNIA AVE AND 16TH STREET



- LEGEND:**
- PROPOSED ROADWAY CLASS II BIKE LANE
  - PROPOSED CLASS I SEPARATED MULTIMODAL TRAIL
  - PROPOSED SIDEWALK/CURB/CROSSWALK
  - PROPOSED DRIVEWAY
  - PROPOSED SHOULDER/MEDIAN
  - PROPOSED BUFFER
  - PROPOSED BUS SHELTER
  - PROPOSED SIGNAGE
  - CULTURAL FINDING

**NOTE:**  
1. FOR DESIGN VARIATION AT 16TH STREET SEE EXHIBIT 1



## Attachment – E

### Transportation Planning Scoping Information Sheet (TPSIS)

**Proposed Project Summary**

<b>EA #</b>	04-0Y780K	<b>AM Tool ID #</b>	N/A	<b>EFIS Project ID #</b>	0422000339
<b>County-Route-PM</b>	SM-1 PM R34.8-R35.9				
<b>Anchor Asset</b>	N/A				
<b>Proposed Project Scope</b>	Improve the operations and safety for all users as well as pedestrian and bicycle facilities along SR 1 within the project limits.				
<b>Proposed Fund Type</b>	Reimbursement (0042R) - Local Funding				

**Section 1: TPSIS Summary Statements & Recommended Actions**

<b>1-1 Project Summary</b>	<b>Provide a justification if needs/opportunities are not recommended to be included in project scope.</b>
Refer to TPSIS Section: <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> Other	

**Project Needs/Opportunities:**

SR 1 in Moss Beach is a heavily-travelled State highway with a posted speed limit of 50 mph. Several smaller roadways intersect with SR 1, serving residents and providing access to housing, shopping, dining, beaches, other recreational facilities, and government services present on both sides of SR 1. Vehicles traveling at high rates of speeds present challenging conditions for residents and visitors alike, and specifically to cross SR 1 to access goods, services, and recreational areas. Currently, there is just one marked crosswalk of SR 1 within the project limits and there are no dedicated bikeways.

**Project Risks/Challenges:**

**1-2 List recommendations based on identified needs/opportunities to be included in project scope. (Provide section references below)**

The Project would include bicycle and pedestrian improvements such as installing sidewalks or pathways on the west side of SR 1 from Marine Boulevard to California Avenue; a separated bicycle/pedestrian trail on the east side of SR 1 from Marine Boulevard to Etheldore Street; Class II Bike Lanes on SR 1 south of Marine Boulevard to 14th Street; high-visibility crosswalks; and bus stop improvements. The project also proposes to modify intersection control at the intersections of Cypress Avenue, California Avenue, to either signal or roundabout control and signal control at 16th Street.

**Required Sections Checklist (Check boxes below once completed):**

- Section 1
- Section 2
- Section 3
- Section 4
- Section 5
- Section 6-1

Approved for use in Project Nomination by:

*Eric Alm* 9/7/2023

Received for use in Project Nomination by:

*Wendy J. Cho* 9/14/2023

**District Planning Representative (Date)**

**Project Nominator (Date)**

**Section 2: Tribal Government Consultation, Local Partners, and Public Engagement Coordination**

2-1 TRIBAL GOVERNMENT CONSULTATION – <a href="#">Caltrans Tribal Relations Team</a> ; <a href="#">NALB Resource Intranet Page</a>		Provide names of TRIBES, TRIBAL GOVERNMENTS, reservations, Rancherías, tribal trust lands.
<p>2-1-1 Tribal Lands – <i>Is the proposed project within or near an Indian Reservation Rancheria, or Tribal Trust Land?</i> <a href="#">NALB Tribal Lands Viewer</a>; <a href="#">DEA GIS Library</a></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><b>If so, indicate if:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The project involves trust land(s) (including tribal and individual allotted lands) outside of a reservation or Rancheria</li> <li><input type="checkbox"/> Tribe(s) have been informed of the project and will be coordinated with during project development</li> <li><input type="checkbox"/> All applicable tribal laws and regulations have been reviewed for required coordination</li> </ul>	
<p>2-1-2 Does the Tribe have a Tribal Employment Rights Office/Ordinance (TERO) on file?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><b>If so, indicate if:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The TERO has been reviewed for required coordination</li> <li><input type="checkbox"/> Is this project on a route identified in the National Tribal Transportation Facility Inventory (NTTFI)?</li> <li><input type="checkbox"/> There is a related Memorandum of Understanding (MOU) between the District and the Tribe</li> <li><input type="checkbox"/> Caltrans has other MOUs with the Tribe; <i>Provide title and description or content</i></li> </ul>	
<p>2-1-3 Have any tribes expressed environmental concerns related to the project?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><b>Provide Tribal name(s) and details:</b> Native American coordination will be initiated in PA&amp;ED</p>	
<p>2-1-4 Have any tribes expressed any other concerns related to the project?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><b>Provide Tribal name(s) and details:</b> Native American coordination will be initiated in PA&amp;ED</p>	
<p>2-1-5 Who are the appropriate points of contact within the Tribe(s) for future coordination and consultation?</p>	<p><b>Name, title, phone number, e-mail:</b> Native American coordination will be initiated in PA&amp;ED</p>	

Transportation Planning Scoping Information Sheet

2-2 EQUITY CONSIDERATIONS	
<p><b>2-2-1 Is the project located in or have the potential to affect equity priority communities (also known as disadvantaged or underserved communities)?</b></p> <p>You can use these links to identify if project is located in DAC area (additional data sources available in guidance):</p> <ul style="list-style-type: none"> <li>California Healthy Places Index Map</li> <li>CalEnviroScreen 4.0   OEHHA</li> </ul>	<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown (Defer to PID)</p> <p><b>Describe the communities and any potential impacts.</b></p> <ul style="list-style-type: none"> <li>In accordance with SB 535 (2012), AB 1550 (2016), and Caltrans policies, Deputy Directives, and plans, the project area was checked against the following map: <a href="https://webmaps.arb.ca.gov/PriorityPopulations/">https://webmaps.arb.ca.gov/PriorityPopulations/</a>. That map includes CalEnviroScreen 4.0 data. The Census tract that contains the project area (6081613600) is not identified as a disadvantaged community but is a low-income community. It is not within 1/2 mile of another disadvantaged community or a low-income community.</li> <li>According to the California Healthy Places Index Map, the project area is in the 84.6th percentile. A census tract must be in the 25th percentile or less to qualify as a disadvantaged community.</li> <li>The project would increase safety for all mode types, which would benefit this disadvantaged or underserved community.</li> </ul>
<p><b>2-2-2 If 2-2-1 is Yes, what are their known mobility needs (consider access to opportunities/destinations)?</b></p>	<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input type="checkbox"/> Unknown (Defer to PID)</p> <p><b>Describe needs.</b> Not applicable.</p>
<p><b>2-2-3 Do opportunities exist to incorporate project components that reconnect divided communities, improve equitable access and mobility, or contribute to better public health?</b></p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Unknown (Defer to PID)</p> <p><b>Describe opportunities.</b> The proposed sidewalks, crosswalks, and bicycle facilities improvements in particular would improve mobility and access to coastal resources and businesses.</p>
2-3 PRELIMINARY PUBLIC ENGAGEMENT	
<p><b>2-3-1 Which local partner agencies have been identified?</b></p>	<p><b>Source/Date Contacted</b></p> <p>San Mateo County Transportation Authority, San Mateo County, MTC</p> <p><b>Additional Information</b></p> <p>Biweekly project meetings include both the County and TA</p>

*Transportation Planning Scoping Information Sheet*

<p><b>2-3-2 Which other stakeholders, community-based organizations, advocates, or interest groups have been identified?</b></p>	<p>Midcoast Community Council, California Coastal Commission.</p>	<p>A presentation was given to the MCC members on November 30, 2022.</p>
<p><b>2-3-3 What is the recommended Public Engagement Strategy for this project?</b></p>	<p><input checked="" type="checkbox"/> <b>Inform</b> <input type="checkbox"/> <b>Consult</b></p>	<p><input checked="" type="checkbox"/> <b>Collaborate</b> <input checked="" type="checkbox"/> <b>Involve</b> <input type="checkbox"/> <b>No Recommendation</b></p>
<p><b>2-3-4 Is the project likely to require translation and interpretation services?</b> <a href="https://www.fhwa.dot.gov/civilrights/programs/title_vi/lep_fourfactor.cfm">https://www.fhwa.dot.gov/civilrights/programs/title_vi/lep_fourfactor.cfm</a> <a href="https://data.census.gov/cedsci/">https://data.census.gov/cedsci/</a></p>	<p><input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Unknown (Defer to PID)</b></p>	<p><b>Describe</b> In Census Tract 6136, LEP individuals comprise 6% Spanish, and less than 1% Vietnamese and Tagalog. Spanish translation of all vital documents is recommended based on the FHWA's U.S. Census – Limited English Proficiency Data Collection Walkthrough. This will be further evaluated with project partners.</p>

**Section 3: Plan and Document Review**

3-1 PLANNING DOCUMENTS AND SCOPING TOOLS	SUMMARY OF RECOMMENDATIONS & CONSIDERATIONS	
<p><b>3-1-1 Active Transportation Plans:</b>  <input type="checkbox"/> California Active Transportation Plan (CAT Plan)  <input type="checkbox"/> District Bike and Ped Plan  <input checked="" type="checkbox"/> Regional/Local Plan</p>	<ul style="list-style-type: none"> <li>Connect the Coastside Plan identifies the need for striped bicycle lanes along Highway 1 and a separated multimodal trail along the eastside of Highway 1 within project limits with new and improved pedestrian crossings on Highway 1. The plan also identifies the need for sidewalks to improve sidewalk connectivity along the westside of Highway 1. Intersection control improvements at Cypress Ave, California Ave and 16th St. are also recommended along with wayfinding signage and improved Bus stops.</li> <li>Unincorporated San Mateo County Active Transportation Plan identified the need for additional marked crossings in Moss Beach and wayfinding for the California Coast Trail (signs and pavement markings).</li> <li>The District 4 Pedestrian Plan identifies this corridor as a Tier 3 need. The District 4 Bike Plan recommends a Class I path along this corridor, as a mid-tier need.</li> </ul>	
<p><b>3-1-2 Broadband:</b>  <input type="checkbox"/> Is there Caltrans-owned broadband infrastructure within this project location?</p>	<p>There are no Caltrans-owned broadband infrastructure within this project location.</p>	
<p><b>3-1-3 Climate Change Planning:</b>  <input checked="" type="checkbox"/> Caltrans District Vulnerability Assessment  <input checked="" type="checkbox"/> Caltrans Climate Change Adaptation Priority Plans</p>		



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<input type="checkbox"/> Local Climate Action Plan/GHG reduction plan <input type="checkbox"/> Greenhouse gas section of EIR for RTP/SCS <input checked="" type="checkbox"/> Locally Adopted Transportation Adaptation Plan	
<b>3-1-4 Cultural/Historic Preservation Scoping Tools:</b> <input checked="" type="checkbox"/> Caltrans Cultural Resources Database <input checked="" type="checkbox"/> Caltrans Historic Bridge Inventory <input checked="" type="checkbox"/> Archaeological Site Sensitivity Model <input type="checkbox"/> AB52 Letter	<p>There are two archaeological and two built resources within or adjacent to project activities. There are small areas of high sensitivity for archaeological resources.</p>
<b>3-1-5 Freight Planning:</b> <input checked="" type="checkbox"/> California Freight Mobility Plan <input checked="" type="checkbox"/> California Sustainable Freight Action Plan <input type="checkbox"/> Caltrans Safety Roadside Rest Areas (SRRA) <input checked="" type="checkbox"/> Truck Parking Study <input type="checkbox"/> Regional/Local Plan	<p>Caltrans freight plans do not have specific recommendations in the project area that would affect this project.</p>
<b>3-1-6 Project Planning:</b> <input type="checkbox"/> District 10 Year Project Book <input type="checkbox"/> MONSTER List <input type="checkbox"/> Preliminary Investigation/Feasibility Study	<p>None</p>
<b>3-1-7 Rail and Mass Transportation Planning:</b> <input checked="" type="checkbox"/> California State Rail Plan <input checked="" type="checkbox"/> Statewide Transit Strategic Plan	<p>Caltrans' Rail or Transit plans do not have specific recommendations in the project area that would affect this project.</p>
<b>3-1-8 Regional &amp; Local Planning:</b> <input checked="" type="checkbox"/> Regional Transportation Plan <input type="checkbox"/> Sustainable Community Strategy <input type="checkbox"/> General and Local Plans <input type="checkbox"/> Regional Concept of Transportation Operations <input type="checkbox"/> Local Coastal Program Plan	<p>MTC PBA 2050 (10/2021 approved). The RTP calls out the implementation of Corridor &amp; Interchange improvements. This program includes funding to implement interchange improvements at Manor Dr and safety and operational improvements in Half Moon Bay and between Half Moon Bay and Pacifica.</p>
<b>3-1-9 System Planning:</b> <input type="checkbox"/> Interregional Transportation Strategic Plan (ITSP) <input checked="" type="checkbox"/> Corridor Plans (ICR, CSMP, CMCP)	<p>Transportation Concept Report (TCR) SR1 South - April 23, 2018</p>
<b>3-1-10 Tribal Planning:</b> <input checked="" type="checkbox"/> Tribal Transportation Plan	<p>The proposed project is not within or near an Indian Reservation Rancheria or Tribal Trust Land and does not involve trust lands outside of a reservation or Rancheria</p>
<b>3-1-11 Other (Identify):</b> <input type="checkbox"/> _____	

**Section 4: Caltrans Stakeholder Information**

4-1 TITLE	Name	Phone Number	Email Address
4-1-1 Complete Street/Bicycle and Pedestrian Coordinator	Greg Currey	510-821-0517	Gregory.currey@dot.ca.gov
4-1-2 Climate Change Coordinator/Liaison	Vishal Ream-Rao	(510) 847-8637	Vishal.Ream-Rao@dot.ca.gov
4-1-3 District Native American Coordinator and/or District Cultural Resources PQS Staff (Environmental/Cultural Resources) <i>PQS = Professionally Qualified Staff: Caltrans cultural resources staff who meet the Secretary of Interior's Professional Qualifications Standards for Historic Preservation disciplines</i>	Althea Asaro	(510) 847-2178	althea.asaro@dot.ca.gov
4-1-4 District Native American Liaison (Transportation Planning)	Stephen Conteh	510-960-0887	Stephen.Conteh@dot.ca.gov
4-1-5 Environmental Planner	Tom Rosevear	510-506-1508	Thomas.rosevear@dot.ca.gov
4-1-6 Freight Planner	Cameron Oakes	510-960-0741	Cameron.Oakes@dot.ca.gov
4-1-7 Local Development Review (LDR) Planner	Yunsheng Luo	510-496-9285	Yunsheng.Luo@dot.ca.gov
4-1-8 Park and Ride Coordinator	Wingate Lew	510-960-0797	Wingate.lew@dot.ca.gov
4-1-9 Regional Planner	Stephen Conteh	510-960-0887	Stephen.Conteh@dot.ca.gov
4-1-10 Sustainable Planning Grant Coordinator	Becky Frank	510-960-0883	becky.frank@dot.ca.gov
4-1-11 System Planner	Paul Svedersky	510-421-8213	Paul.Svedersky@dot.ca.gov
4-1-12 Rail & Transit Planner	Wingate Lew	510-960-0797	Wingate.lew@dot.ca.gov
4-1-13 Equity, Engagement and Health Planner	Jacob Buffenbarger	510-853-4919	Jacob.Buffenbarger@dot.ca.gov
4-1-14 Other Coordinators			

**Section 5: Climate Change**

5-1 CLIMATE CHANGE CONSIDERATIONS	Comment/Action
5-1-1 Using the Caltrans climate change considerations tool kit, identify potential GHG emission and climate change-related mitigation options at the proposed project location. Attach toolkit as an appendix and check GHG reduction measures and climate change-related adaptation measures that could apply to the proposed project for consideration.	<p>Completed Caltrans climate change considerations toolkit has been attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If no, Describe See Section 8.14 (Energy and Climate Change) of the PEAR (Attachment C).</p>

Transportation Planning Scoping Information Sheet

<p><b>5-1-2 Using the District Vulnerability Assessment appropriate for the proposed project area, identify the potential climate stressors that could affect transportation assets within the project limits. Using the vulnerability assessment interactive Webmap: print and attach map of potential project site vulnerability</b></p>	<p><input checked="" type="checkbox"/> Temperature  <input checked="" type="checkbox"/> Precipitation  <input type="checkbox"/> Wildfire  <input type="checkbox"/> Other:</p>	<p><input type="checkbox"/> Sea-Level Rise  <input type="checkbox"/> Storm Surge  <input type="checkbox"/> Cliff Retreat</p>
<p><b>5-1-3 Are there potential climate risks to major assets within the project area? (e.g. Bridge potentially at risk of SLR inundation, stretch of highway at risk for high temp, and wildfire- consider appropriate materials)</b></p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>The stretch of SR 1 in the project area is subject to increased temperatures and precipitation by 2085.</p>
<p><b>5-1-4 Is the project located in the Coastal Zone Boundary, Local Coastal Program Area (<a href="https://www.coastal.ca.gov/maps/">https://www.coastal.ca.gov/maps/</a>), or within the San Francisco Bay Conservation and Development Commission (BCDC)? <a href="https://bcdc.ca.gov/bcdc-cities-jurisdiction.html">https://bcdc.ca.gov/bcdc-cities-jurisdiction.html</a>.</b></p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>The project is located on SR 1 in the Coastal Zone Boundary, in District 4, in San Mateo County.</p>

**Section 6: Smart Mobility, Active Transportation and Transit**

<p><b>6-1 APPLICABILITY OF CHECKLIST (REQUIRED)</b></p>		
<p><b>6-1-1</b> Is the project located entirely on a facility where bicyclists and pedestrians are legally prohibited and the project does not involve a shared use path, pedestrian/bicycle structure or work impacting a local road crossing or interchange? If no, continue, if yes, you may stop here.</p>		<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No</p>
<p><b>6-1-2</b> Is the primary project purpose to address assets that are outside of the roadbed where pedestrian and bicycle travel is not affected, and construction will not affect future pedestrian and bicycle facilities? If no, continue, if yes, you may stop here.</p>		<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No</p>
<p><b>6-2 PLACE TYPES (OPTIONAL from here on)</b></p>		
<p><b>6-2-1</b> Identify the Smart Mobility Framework Place Type(s) surrounding the project limits.</p>	<p><b>Comment/Action</b></p>	
<p>Identify the Smart Mobility Framework Place Type(s) surrounding the project limits.</p>	<p><input type="checkbox"/> Central Cities  <input type="checkbox"/> Urban Communities  <input checked="" type="checkbox"/> Suburban Communities</p>	<p><input type="checkbox"/> Rural Areas  <input type="checkbox"/> Protected Lands and Special Use Areas</p>
<p>Are there any -existing or proposed- Pedestrian/ Bicyclist/ Passenger Rail/Transit Trip Generators in or adjacent to the project area?</p>	<p><input type="checkbox"/> Schools  <input checked="" type="checkbox"/> Town Centers  <input type="checkbox"/> Shopping Centers  <input checked="" type="checkbox"/> Bus Stops</p>	<p><input type="checkbox"/> Large Employment Businesses  <input checked="" type="checkbox"/> Shared-use trail access/parking.  <input checked="" type="checkbox"/> Public Transit /Passenger Rail Facilities  <input checked="" type="checkbox"/> Health/Medical Facilities  <input checked="" type="checkbox"/> Other</p>
<p><b>6-2-3 Check all that apply:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> the highway segment functions as a “Main Street” or a “Safe Route to School”</li> <li><input checked="" type="checkbox"/> the project provides unique or primary access into or out of any of the trip generators or between communities</li> <li><input type="checkbox"/> the project provides unique or primary access across a river, highway corridor or other natural and/or man-made barrier</li> </ul> <p><b>6-2-4 Summary of place type related considerations (see Smart Mobility Framework Guide)</b>  Add text describing place type considerations. Safety improvements to walking and bicycling, focused on connectivity and comfort.</p>		

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6-3 BICYCLE, PEDESTRIAN, RAIL AND TRANSIT CONDITIONS		Comment/Action
6-3-1 Identify existing bicycle and pedestrian facilities within project limits.	<input checked="" type="checkbox"/> Bicycle/Pedestrian Accessibility <input type="checkbox"/> Bicycle Lane Choose an item. <input type="checkbox"/> Backpacking/Hiking/Equestrian Trail <input checked="" type="checkbox"/> Shoulder <input checked="" type="checkbox"/> Sidewalks <input type="checkbox"/> Other: <input type="checkbox"/> Curb Ramps <input type="checkbox"/> California Coastal Trail <input checked="" type="checkbox"/> Signage <input type="checkbox"/> Green Striping <input type="checkbox"/> Bike Boxes <input type="checkbox"/> Two-Stage Turn Boxes	
6-3-2 Identify physical and/or perceived impediments for bicyclists and pedestrians.	<input type="checkbox"/> Narrow Shoulders <input type="checkbox"/> Narrow Sidewalks <input checked="" type="checkbox"/> Connectivity Gaps <input type="checkbox"/> Curbs and Gutters <input type="checkbox"/> Utility Boxes <input checked="" type="checkbox"/> High Vehicle Speeds <input type="checkbox"/> AADT <input type="checkbox"/> Other:	
6-3-3 Are there any complete streets assets including Bikeways (Class I – IV), Sidewalk, and Crosswalk, in Fair or Poor condition, in the project area?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Describe., Existing crosswalk is in fair condition. High visibility crosswalks are needed.	
6-3-4 Design Year ADT	<input type="checkbox"/> <2,500 <input type="checkbox"/> 2,500-5,000 <input type="checkbox"/> 5,000-10,000 <input checked="" type="checkbox"/> >10,000	
6-3-5 Posted Speed	<input type="checkbox"/> 15-20 <input type="checkbox"/> 25-30 <input type="checkbox"/> 35-40 <input checked="" type="checkbox"/> >45	
6-3-6 Level of Traffic Stress (LTS)	Bicycle LTS: 4 Pedestrian LTS: 4	
6-3-7 Identify existing Rail and transit facilities within the project vicinity/ corridor.	<input checked="" type="checkbox"/> Rail and Transit Stops <input checked="" type="checkbox"/> Active Rail/Transit Line <input type="checkbox"/> Park and Ride Lot <input type="checkbox"/> Connections to other services <input type="checkbox"/> Signal Priority <input type="checkbox"/> Seamless Transfer Opportunities <input type="checkbox"/> Other:	
6-4 BICYCLE, PEDESTRIAN & TRANSIT NEEDS/OPPORTUNITIES		Comment/Action
6-4-1 Are there opportunities to improve safety for bicyclists and pedestrians with Complete Street features?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No San Mateo County Midcoast Comprehensive Transportation Management Plan (CTMP) identifies the need to increase mobility, connectivity and improve safety along Highway 1. The plan recommends installing sidewalks in front of businesses and striped bike lanes along Highway 1 within Moss Beach city limits, a multimodal Trail path running along the east side of Highway 1 as well as new and improved pedestrian crossings. The plan also recommends the need to improve bus stops to ensure ADA compliance along with additional amenities i.e. benches, shelters and lighting.	

*Transportation Planning Scoping Information Sheet*

<p><b>6-4-2 Identify any pedestrian, bicycle or transit needs in/linking to the project area as identified in an existing Bicycle/Pedestrian Plan or comprehensive planning study for the corridor.</b></p>	<p><b>Describe.</b> Increase opportunities for walking, biking and riding transit on the Midcoast to provide an alternate to motor vehicles, reduce traffic, promote environmental sustainability.</p>
<p><b>6-4-3 Is there a public/partner identified need for bicycle/pedestrian/ transit or “way finding” signs that could be incorporated into the project?</b></p>	<p>San Mateo County Transportation Authority</p>
<p><b>6-4-4 Provide recommendations to address physical and/or perceived impediments for bicyclists and pedestrians (identified in 6-3-2) within project limits”.</b></p>	<p>Provide sidewalks, crosswalks, curb ramps, bikeways within the project limits and slow vehicle speeds via intersection controls.</p>
<p><b>6-4-5 Is there any opportunity to improve transit on state owned roads or improve access to transit?</b></p>	<p>Improve access to bus stops within the project limits.</p>
<p><b>6-4-6 Preferred Bikeway Facilities</b></p>	<p> <input checked="" type="checkbox"/> Class I    <input type="checkbox"/> Class II    <input type="checkbox"/> Class III    <input type="checkbox"/> Class IV    <input type="checkbox"/> Standard Shoulder or Shared Lane         </p>

**Section 7: Environmental Linkage Considerations (OPTIONAL)**

<p><b>7-1 AIR QUALITY, WILDLIFE, AND NATURAL HABITAT CONSIDERATIONS</b></p>	
<p><b>7-1-1 Check all that apply:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Air Quality – proposed project is located in a Federal non-attainment or attainment maintenance area</li> <li><input checked="" type="checkbox"/> Project is within identified Wildlife Corridors in a Habitat Conservation Plan, South Coast Wildlife Linkage or California Essential Habitat Connectivity Plan.</li> <li><input type="checkbox"/> Proposed project is located within or near any lands protected under a National Scenic Rivers Act, US Fish and Wildlife Services such as Critical Habitat, National Wildlife Refuge System, etc., or within the boundaries of other resource agencies such as HCPs, USFS or BLM designated critical habitat areas or Habitat Conservation Plans</li> </ul>	
<p><b>7-1-2 Are any of the following Officially Designated Habitat Types located within or near the proposed Project Location?</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Wetlands</li> <li><input checked="" type="checkbox"/> Riparian or Stream Habitats</li> <li><input checked="" type="checkbox"/> Jurisdictional Waters</li> <li><input type="checkbox"/> Important Bird Areas</li> <li><input type="checkbox"/> Important Rare Plants Areas</li> <li><input type="checkbox"/> Natural Communities of Conservation Concern</li> <li><input checked="" type="checkbox"/> Environmentally Sensitive Habitat Areas</li> </ul>	<p><b>If so, describe here:</b> The project vicinity is located within the California Essential Habitat Connectivity Plan and is near USFWS critical habitat for the CA red-legged frog.</p> <p>There are multiple occurrences of CA red-legged frog surrounding the project vicinity. Consultation with the USFWS is anticipated. There are a few overlapping rare plant occurrences with the project location. A protocol rare plant survey is anticipated.</p>

Transportation Planning Scoping Information Sheet

<p>7-1-3 Is there an identified fish passage barrier(s)? <a href="http://www.calshpac.org">www.calshpac.org</a></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe. According to the CDFW Fish PAD, there is a partial barrier at pm 34.8, San Vicente Creek.</p>	<p>Any widening of pavement/increase of permanent impacts could lead to affects to wildlife connectivity, wetlands, waters, riparian habitats, or other jurisdictional habitats.</p>
<p><b>7-2 ADVANCE BIOLOGICAL MITIGATION OPPORTUNITIES</b></p>		
<p>7-2-1 Identify Potential Environmental Mitigation Opportunities for the project:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mitigation bank within the project limits with available credits to purchase</li> <li><input type="checkbox"/> Mitigation Fees from existing Habitat Conservation Plan</li> <li><input type="checkbox"/> Projects timeline allows participation in the Advance Mitigation Program</li> <li><input type="checkbox"/> Any opportunities available within the project limits to offset project impacts</li> </ul>	<p>Describe. No compensatory mitigation is anticipated to be needed.</p>	

**Section 8: System Planning (OPTIONAL)**

<p><b>8-1 ROUTE DESIGNATIONS</b></p>		
<p>8-1-1 Freeway and Expressway</p>	<p>Conventional highway</p>	<p>8-1-8 Scenic Highway</p> <p>Eligible</p>
<p>8-1-2- National Highway System</p>	<p>Yes</p>	<p>8-1-9 National Highway Freight Network</p> <p>No</p>
<p>8-1-3 Federal Functional Classification</p>	<p>Principal Arterial</p>	<p>8-1-10 Critical Urban Freight Corridor</p> <p>No</p>
<p>8-1-4 Strategic Highway Network</p>	<p>No</p>	<p>8-1-11 Critical Rural Freight Corridor</p> <p>No</p>
<p>8-1-5 Strategic Interregional Corridor</p>	<p>No</p>	<p>8-1-12 NHS and STAA Route Classification</p> <p>NHS Principal Arterial</p>
<p>8-1-6 Interregional Road System</p>	<p>Yes</p>	<p>8-1-13 Truck Network Designation</p> <p>65' CA Legal Route</p>
<p>8-1-7 Priority Interregional Facility</p>	<p>No</p>	<p>8-1-14 Other</p> <p>KPRA 40</p>
<p><b>8-2 FACILITY TYPE</b></p>		
<p>8-2-1 Current</p>	<p>2-4 lane Conventional Highway</p>	
<p>8-2-2 Concept</p>	<p>2-6 lane Conventional Highway</p>	
<p>8-2-3 Ultimate</p>		

**Section 9: Local Development Review (OPTIONAL)**

<b>9-1 LOCAL DEVELOPMENTS IMPACTING PROJECT</b>			<b>Encroachment Permit Required</b> <input type="checkbox"/>
<b>Project Title:</b> No LDR project concerns within this project area in the requested timeframe.			
<b>Project Location:</b> San Mateo SR-1			
<b>GTS link:</b>			
<b>9-1-1 Project Description:</b>			
<b>9-1-2 Distance to Caltrans Project:</b>			
<b>9-1-3 Summary of Mitigation Measures:</b>			
<b>9-1-4 Mitigation Source(s)</b>	<b>Funding</b>	<b>9-1-5 Amount of Available Funding</b>	<b>9-1-6 Summary of Caltrans Concerns:</b> No LDR project concerns within this project area in the requested timeframe.

**Section 10: Broadband Considerations (OPTIONAL)**

<b>10-1 BROADBAND OPPORTUNITIES (CPUC Map, BMMN Map, Caltrans-owned Broadband Map)</b>	
<b>10-1-1</b> Is there existing broadband infrastructure (fiberoptic cable) available for Caltrans use within the project location?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown (Defer to PID)
<b>10-1-2</b> If 'Yes', who owns the broadband infrastructure?	<input type="checkbox"/> Caltrans <input checked="" type="checkbox"/> BMMN <input type="checkbox"/> ISP <input type="checkbox"/> Other
<b>10-1-3</b> If 'No', is there an opportunity for Caltrans to install broadband infrastructure as part of this project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown (Defer to PID)

**Section 11: Freight Considerations (OPTIONAL)**

<b>11-1 FREIGHT OPPORTUNITIES AND CONSIDERATIONS</b>		
<b>11-1-1</b> Are there any known unauthorized truck parking issues or deficiencies along the route?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Describe.
<b>11-1-2</b> Are there any existing or planned restrictions/limitations pertaining to truck weight or height?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Describe.
<b>11-1-3</b> Identify truck usage impacts within the project area:		
<input type="checkbox"/> Truck Bottleneck/Congestion <input type="checkbox"/> Distressed Pavement <input type="checkbox"/> Truck Geometric Constraints (Truck/Weight/Height restrictions) <input type="checkbox"/> Shoulder Width <input type="checkbox"/> Shoulder Dust Issues <input type="checkbox"/> Bridge Conditions		

Transportation Planning Scoping Information Sheet

<p><b>11-1-4 Check if apply:</b>  <input type="checkbox"/> The project area contains intermodal connections to other freight facilities (sea ports, rail, airport)  <input checked="" type="checkbox"/> Freight key services along route (e.g. agriculture (crops, processing, packing))</p>	<p>There is some Prime Farmland and farmland of local importance south of the project limits between Moss Beach and El Granada.</p>
<p><b>11-1-5 Are there any opportunities for Truck Parking, based on SRRRA Master Plan or any relevant truck parking studies?</b></p>	<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No          Describe.</p>
<p><b>11-1-6 Identify opportunities for zero emission fueling (electric charging, hydrogen) for vehicles including trucks.</b></p>	<p><input type="checkbox"/> Yes  <input checked="" type="checkbox"/> No          Describe.</p>

SEGMENT MAP/PICTURES (OPTIONAL)



Attachment – F  
Project Risk Register

RISK REGISTER LEVEL	PROJECT ID	PROJECT NAME	PROJECT TITLE	RISK STATEMENT	CURRENT STATUS/ASSUMPTIONS	DBT-LEA	04/07/2024 (0422000339)	PROJECT MANAGER	MARIA SVAIGHI	RISK MANAGER	SCOTT KESEY	TOTAL COST (Capital+Support)		TOTAL DAYS (Construction+Initial review (90 days)+Closeout (60 days))	RISK RESPONSE	RISK OWNER	UPDATED						
												\$42,620,711.00	590										
RISK ASSESSMENT INFORMATION																							
STATUS ID #	CATEGORY	PDT MEMBERS	TITLE	RISK STATEMENT	CURRENT STATUS/ASSUMPTIONS	PROB LOW	PROB HIGH	COST LOW	COST MOST LIKELY	COST HIGH	COST PROBABLE	LOW	MIDST LIKELY	HIGH	TIME PROBABLE	PHASE	SUPPORT/Support	INDIVIDUAL RISK	RATIONALE	STRATEGY	RESPONSE ACTIONS	RISK OWNER	UPDATED
Active	1	Construction	Discovery of Hazardous Material	As a result of hazardous materials encountered during project development, will require on-site storage area and will lead to an increase in cost to dispose of.	Assumed hazardous waste cost in the estimate	20	40	\$150,000	\$170,000	\$200,000	\$51,500	30	50	60	14	CON	S	Based on experience with other projects	Ensure on-site storage space will be available/On-site disposal if soil can not be reused onsite	Accept	RE	4/11/2023	
Active	2	ROW	Additional State Right of Way	As a result of additional right of way or construction easements required to complete the work would lead to additional cost and schedule delay.	Work with stakeholders and County's design teams and secure easements during PID and PA&ED.	30	40	\$500,000	\$600,000	\$1,200,000	\$285,633	120	150	180	53	ENG	C	Additional ROW might be required if the preferred alternative includes roundabouts	Work closely with R/W office in PA&ED and PS&E phase.	Mitigate	R/W Agent	4/11/2023	
Active	3	Construction	Utility Service Activation Delay (PS&E / AT&T / ETC)	As a result of PS&E's workload, the project might experience delays in re-locating PS&E design teams and re-locating PS&E design teams to the project.	Construction will contact PS&E as early as possible for service confirmation.	30	50	\$40,000	\$60,000	\$80,000	\$24,000	90	120	180	52	CON	S	Based on experience with other projects	Coordinate with utility companies as early as possible.	Mitigate	RE	4/11/2023	
Active	4	Design	Nonstandard Features / Design Exception	Design teams and utility companies may lead to potential schedule delays.	Continue to involve Callians and responsible geometric reviewers with design teams and utility companies during PS&E and PA&ED to avoid schedule delays.	30	40	\$40,000	\$50,000	\$80,000	\$16,667	80	120	150	41	ENG	S	Based on experience with other projects	Early coordination with Callians Design Reviewers, with regular follow-up and close out meetings.	Accept	Design PE	4/11/2023	
Active	5	Design	Utility Design Constraint	As a result of additional utility relocations during construction, re-locating additional utilities would lead to an increase in cost and schedule delay.	Enough budget and time in the estimate and schedule for relocation of underground utility crossings is assumed.	30	40	\$60,000	\$110,000	\$150,000	\$39,083	40	60	90	22	ENG	C	Based on experience with other projects	Forecasting should be conducted during PS&E	Accept	Design PE	4/11/2023	
Active	6	Construction	Unidentified Utility Conflicts	As a result of re-locating additional utilities during construction, project features may need to be moved or changed which would lead to increased cost and schedule delays.	Identify utility conflicts during the PS&E phase of the project.	40	60	\$60,000	\$100,000	\$120,000	\$50,000	30	60	90	30	CON	C	Based on experience with other projects	Construction to work with utility companies to identify conflicts by other protecting in place or relocating.	Accept	RE	4/11/2023	
Active	7	Environmental	Ground Disturbance	As a result of unidentified technical or geotechnical conditions not identified until construction, project features may need to be moved or changed which would lead to increased cost and schedule delays.	Assume boring budget will be included in PS&E phase	20	30	\$120,000	\$180,000	\$200,000	\$43,333	10	30	50	8	CON	S	Based on experience with similar projects requiring structural excavation	Geotechnical boring and testing will be conducted in PS&E phase.	Avoid	RE	4/11/2023	
Active	8	PM	Project Schedule	As a result of multiple stakeholders presenting opposing views on changes and potential schedule delays, which would lead to cost increase and project schedule delay.	Work with stakeholders and County's design teams and utility companies during the PID and PA&ED.	10	20	\$100,000	\$130,000	\$160,000	\$19,500	30	60	90	9	ENG	C	Based on experience with other projects	Proactively seek stakeholder requirements and expectations.	Mitigate	PM	4/11/2023	
Active	9	Design	Project Cost Increase	As a result of capital cost increasing at a higher rate than escalated cost rate used in programming documents would impact project schedule delay.	Current assumption for escalated rate is based on Callians standard rate.	20	40	\$400,000	\$600,000	\$1,000,000	\$230,000	10	30	40	8	CON	C	Driven by economic factors	Evaluate the escalated rate and adjust if necessary.	Mitigate	Design PE	4/11/2023	
Active	10	Construction	Buried Man Made Objects	As a result of finding unanticipated buried man-made objects during construction which may require removal and disposal would lead to additional cost and schedule delay.	Potential to occur during construction.	20	30	\$50,000	\$90,000	\$120,000	\$22,083	20	40	60	10	CON	C	Based on experience with other projects	Include contingency costs to cover this risk.	Mitigate	PM/County	4/11/2023	
Active	11	Environmental	Environmental Document	As a result of the project not currently having draft environmental document can be circulated, but Callians cannot approve the project until the draft environmental document is prepared to federal consultations, including with SHPO, FHWA, and USFWS.	Lack of FHWA funding could delay PA&ED and/or PS&E.	60	80	\$3,000	\$12,000	\$40,000	\$10,617	20	30	60	30	ENG	S	Based on experience with other projects	Work with the County and SMCTA to identify potential FHWA funding sources and update the TIP to show that FHWA is programmed.	Mitigate	PM/County	11/23/2022	
Active	12	Environmental	Permits	As a result of biological impacts, the project requires permits from USFWS, RWCCB, CDFW, and a Local Coastal Permit, which may be appealed to the California Coastal Commission. Failure to acquire permits in a timely manner could delay the start of construction and increase project costs.	Potential to occur during PSE.	20	40	\$5,000	\$12,000	\$40,000	\$4,650	15	25	40	8	ENG	C	Based on experience with other projects	Collect all necessary permit information during PA&ED. Set up stakeholder meetings with agencies and the public early in PA&ED to understand permitting requirements.	Accept	PM/Environmental Lead	5/31/2023	
Active	13	Environmental	Environmental Mitigation	As a result of the impacts to special status biological species and their habitat, off-site mitigation may be required by permitting agencies but may be infeasible or impossible to implement due to uncertainty for the project reaching RTL.	Potential to occur during PSE.	20	40	\$500,000	\$750,000	\$1,000,000	\$225,000	20	40	60	12	ENG	C	Based on experience with other projects	Coordinate with regulatory agencies early in PA&ED to identify potential mitigation in case it needs to be included in the project footprint.	Accept	PM/Environmental Lead	5/31/2023	
Active	14	Environmental	Cultural Resources	As a result of the potential for buried archaeological resources, discovery of an intact site would require additional consultation under Section 106.	Potential to occur during PA&ED	20	40	\$500,000	\$750,000	\$1,000,000	\$225,000	20	40	60	12	ENG	C	Based on experience with other projects	Perform an Extended Phase 1 investigation early in PA&ED to identify the extent of the site and its implications for project delivery.	Accept	PM/Environmental Lead	5/31/2023	

## Attachment – G

### Preliminary Environmental Analysis Report (PEAR)



# PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT

## 1. Project Information

<b>DIST-CO-RTE:</b> 4-SM-1	<b>PM/PM:</b> 34.8/35.9
<b>EA:</b> 0Y780K	<b>EFIS Project ID:</b> 0422000339
<b>Project Title:</b> Moss Beach State Route 1 Congestion and Safety Improvements Project	
<b>Project Manager:</b> Kelly Ma	<b>Phone:</b> (510) 908-2708
<b>Project Engineer:</b> Carry Wu	<b>Phone:</b> (341) 766-2493
<b>Environmental Office Chief/Manager:</b> Thomas Rosevear	<b>Phone:</b> (510) 286-5360
<b>PEAR Preparer:</b> Broden Farazmand	<b>Phone:</b> (510) 768-9095

## 2. Project Description

### Purpose and Need

The purpose of this project is to improve multi-modal operations and safety along the project segment of SR 1 in each direction, with the following objectives:

- Improve operations and safety for all users at key intersections;
- Improve pedestrian and bicycle facilities;
- Encourage environmentally-friendly transportation options that reduce car trips, such as walking, biking and public transit; and
- Improve vehicular traffic and multimodal connections to coastal resources for both residents and visitors.

### Need

SR 1 in Moss Beach is a heavily-travelled State highway with a posted speed limit of 50 miles per hour. Several smaller roadways intersect with SR 1, serving local residents and providing access to housing, shopping, dining, beaches, other recreational facilities, and government services present on both sides of SR 1. Vehicles traveling at high rates of speed present challenging conditions for residents and visitors alike, and specifically to cross SR 1 to access goods, services, and recreational areas. Currently there is just one marked crosswalk of SR 1 within the project limits and there are no dedicated bikeways. The current pedestrian and bicycle conditions make it challenging for people to walk and bike safely.

Deficient pedestrian and bicycle facilities along the corridor, conflicting vehicular movements at minor intersections with SR 1, and congestion and delay at key intersections lead to safety concerns for all roadway users, and especially for pedestrians and bicyclist crossings of SR 1.

Cypress Avenue provides access to Fitzgerald Marine Reserve, Moss Beach Distillery, Pillar Point Bluff, and the approved Big Wave Development (which includes housing, office, and industrial land uses). California Avenue provides access to the central Moss

Beach shopping district and the Post Office (where all residents and businesses get their mail since door-to-door postal delivery is not provided). The intersection of SR 1 and 16th Street is adjacent to the intersection of SR 1 and Carlos Street. There is a gravel path connecting Carlos Street to 16th Street, often used by people walking to access SR 1, bus stops, and community of Montara. The County has received a coastal development permit application for a new 71-unit affordable housing development, Cypress Point, which if constructed, will be accessed from Carlos Street near SR 1.

### Vehicular Traffic

It is difficult for vehicles to enter or cross SR 1 from intersecting streets since traffic on SR 1 does not have to stop and travels at high rates of speed. There are no four-way stop-controlled intersections within the Project limits and the nearest signal-controlled intersections are 1.9 miles south (at SR 1/Capistrano Road) and 2.6 miles north (just before the Devil's Slide tunnel entrance). Vehicles on intersecting streets typically wait for up to approximately 2 minutes to enter or cross SR 1 during the peak hours. This leads to long queues on intersecting streets and contributes to most crashes from vehicles entering SR 1 when they do not have the right of way.

### Transit

The San Mateo Transit District is the administrative body for the principal public transit and transportation programs in San Mateo County, including SamTrans bus service to the Coastsides. SamTrans Route 117 connects Pacifica with Half Moon Bay and has bus stops along SR 1 and on intersecting streets in the project area. There is a bus stop on Cypress Avenue 100 feet southwest of SR 1, and another on southbound SR 1 about 100 feet south of 16th Street. The buses have unpredictable travel times, in part due to the difficulty of turning left from Cypress Avenue onto SR 1 and the other difficulties described above.

### Pedestrians and Bicyclists

Pedestrians and bicyclists have difficulty safely crossing SR 1. There is only one marked pedestrian crossing within the Project limits, and it is at an uncontrolled intersection (meaning there are no lights, stop signs or a signal which would stop traffic for pedestrians or bicyclists to cross). SR 1 has no designated bicycle or pedestrian facilities and there are no parallel paths to support bicyclists or pedestrians in or near the Project limits.

### **Description of work**

The project limits are on SR 1 from PM 34.8 (550 feet south of Marine Boulevard) to PM 35.9 (170 feet north of 16<sup>th</sup> Street). The project proposes to do the following:

- Upgrade the intersections of SR 1 with Cypress Avenue, California Avenue, and 16th Street with either roundabouts or traffic signals.
- Consider upgrades at other intersections, such as SR 1 and Etheldore Street/Vallemar Street, as needed.

- Consider additional traffic control devices and traffic calming devices, as needed, to ensure safe multi-modal operations within this segment of SR 1.
- Implement bicycle and pedestrian improvements such as installing sidewalks or pathways on the west side of SR 1 from Marine Boulevard to California Avenue; a separated bicycle/pedestrian trail on the east side of SR 1 from Marine Boulevard to Etheldore Street; Class II Bike Lanes on SR 1; high-visibility crosswalks; and bus stop improvements.
- Place necessary signage and pavement markings to implement any changes to the operation of the roadway.

## **Alternatives**

There are three Build Alternatives that are being considered in addition to the No Build Alternative. Each Build Alternative has variations that are also being studied.

All of the Build Alternatives would include:

- Class II and/or Class IV bikeways on both sides of SR 1
- A Class I separated multimodal trail on the east side of SR 1
- New sidewalks and crosswalks
- Improvements to two SamTrans bus stops on SR 1

The Build Alternatives are as follows:

**Alternative 1, Option A** proposes a roundabout at the Cypress Avenue/SR 1 intersection, a roundabout at the California Avenue/SR 1 intersection, and a signalized intersection at the 16<sup>th</sup> Street/SR 1 intersection with a raised concrete median between Cypress Avenue and California Avenue. This alternative comes with the possibility of realigning the 16<sup>th</sup> Street/SR 1 intersection.

**Alternative 1, Option B** proposes the same features as Alternative 1 but without a raised median between Cypress Avenue and California Avenue. This alternative would preserve the median left turn lane that currently exists between Cypress Avenue and California Avenue and past California Avenue on SR 1.

**Alternative 2** proposes a signalized intersection at the Cypress Avenue/SR 1, California Avenue/SR 1 and 16<sup>th</sup> Street/SR 1 intersections. This alternative also comes with the possibility of realigning the 16<sup>th</sup> Street/SR 1 intersection. This alternative would convert the median left turn lane between Cypress Avenue and California Avenue on SR 1 into a two-way left turn lane. This alternative would also replace the existing connection between SR 1 and Wienke Way with a Wienke Way Cul-de-Sac.

### ***3. Anticipated Environmental Approval***

**CEQA (choose one):**

- Exemption  
 Statutory    Categorical    Common Sense

- Initial Study or Focused Initial Study with proposed Negative Declaration (ND) or Mitigated ND
- Environmental Impact Report

**NEPA (choose one):**

- Categorical Exclusion
- Environmental Assessment with Finding of No Significant Impact
  - Routine     Complex
- Environmental Impact Statement

**CEQA Lead Agency** (if determined): California Department of Transportation, District 4  
**Estimated length of time (months) to obtain environmental approval:** 24

**Estimated person hours to complete identified tasks:** Not applicable. The project is not a reimbursable project, with the exception of the PID phase. Per direction from Caltrans PM, estimating Caltrans level of effort for subsequent project delivery phases is not necessary. Support hours for oversight have been excluded because they are not needed.

#### **4. Special Environmental Considerations**

##### Biology:

The proposed Build Alternatives are expected to have potential impacts to two federally listed species: California red-legged frog (CRLF; *Rana draytonii*; federally threatened and state species of special concern), San Francisco garter snake (SFGS; *Thamnophis sirtalis tetrataenia*; federally and state endangered and state fully protected). Take of CRLF could occur during the project; therefore, it is anticipated that Caltrans would make a “may affect, likely to adversely affect” finding pursuant to Section 7 of the Endangered Species Act. Through avoidance and minimization measures, Caltrans would need to demonstrate “no take” of SFGS and it is anticipated that Caltrans would make a “may affect, not likely to adversely affect” determination. A Biological Opinion from the U.S. Fish and Wildlife Service (USFWS) would be necessary.

Permitting through USACE, RWQCB, USFWS, and CDFW are anticipated, particularly if San Vicente Creek, Montara Creek, or Denniston Creek or their riparian habitats are altered. In addition, permitting through California Coastal Commission is expected due to the location of the project along the coast. Temporary and permanent impacts to wetlands and waters, riparian trees, and CRLF and SFGS habitat are expected to require on-site restoration and mitigation, respectively. The amount of mitigation funding needed will depend primarily on the amount of temporary and permanent impacts within these resources/natural areas/wetlands and waters. Reaching agreements on mitigation proposals with USACE, RWQCB, USFWS, CDFW, and California Coastal Commission is typically a lengthy process. It is recommended to allow 12 to 16 months from initial submittal of permits to obtain these permits. Agencies typically require mitigation plans to be finalized prior to approving the start of construction. In addition, mitigation monitoring and final agency sign-off on the completion of restoration/mitigation can

result in extended or additional monitoring and planting depending on the success of restoration efforts.

#### Cultural Resources:

The project area overlaps a historic district and may contain some archaeological sites. An Extended Phase I (XPI) subsurface investigation is anticipated to be necessary to determine the subsurface presence of any resources in the area of potential effects. Based on the findings of that investigation, it may be necessary to submit a Finding of Effect to the State Historic Preservation Officer (SHPO). If the project would result in a Finding of Adverse Effect to historic resources, a Draft Memorandum of Agreement would be required to be submitted to SHPO as well.

### **5. Anticipated Environmental Commitments**

#### Biological Resource Commitments:

The results of these assessments will determine which avoidance and minimization measures should be anticipated. Anticipated environmental commitments include restricting work activities to the dry season (CRLF); worker environmental awareness training; the delineation of work areas with high-visibility fencing to prevent construction equipment encroachment into sensitive areas; the installation of wildlife exclusion fencing along prominent creeks to prevent species entering the work area; minimization of night-time work; preconstruction surveys, biological monitoring in suitable habitat for CRLF; only removing the minimum amount of vegetation necessary to complete the project; nesting bird surveys and implementation of avoidance buffers; and water quality BMPs.

Vegetation removal is anticipated with all Build Alternatives. The degree of vegetation removal required will vary by Build Alternative. For example, the signalized alternatives would be primarily confined to the existing roadway alignment, while the roundabout alternatives would require the removal of several mature tree stands adjacent to SR 1. Therefore, replanting and landscaping would likely be required for the project. The project sponsors may be required to establish and maintain replacement plantings since Caltrans does not maintain replacement plantings on conventional highways.

All Build Alternatives would require on-site or off-site mitigation for the changes to special status species and their habitats as well as wetlands and other stream resources.

#### Cultural Resources Commitments:

If the project results in a Finding of Adverse Effects on historic resources, a Memorandum of Understanding would be prepared including minimization and mitigation measures. This could range from exclusionary work areas, Native American monitors during construction, or a data recovery plan.



## Hazardous Materials Commitments:

Materials generated by pavement grinding and excavation should require standard conditions for handling and disposal, or reuse, and testing for aurally deposited lead (ADL) in any excavated soils would be considered. A work plan for ADL should be developed during PA&ED or PS&E.

This Preliminary Environmental Analysis Report (PEAR) has been prepared for a PSR-PDS, and therefore no cost estimate for environmental permits or commitments was developed.

## **6. Permits and Approvals**

The following are anticipated to be required for both alternatives unless otherwise noted and are presented by project milestone.

### At the outset of environmental technical studies

- Assembly Bill 52 Tribal Consultation: Initiate and complete consultation with Tribes that have requested notification per Assembly Bill 52 and CEQA requirements.

### Before circulation of the draft environmental document

- Air Quality Conformity Task Force: Complete interagency consultation to obtain concurrence that the project is not a Project of Air Quality Concern as defined by 40 Code of Federal Regulations (CFR) 93.123(b)(1) and conforms at the regional level to the Clean Air Act.
- State Historic Preservation Officer (SHPO): Obtain SHPO concurrence on determinations of eligibility for the project, under the Section 106 Programmatic Agreement.

### Before final environmental document approval

- FHWA: Concurrence that the project conforms to the State Implementation Plan in accordance with 40 CFR 93.
- SHPO: If the project also requires findings of effect, SHPO concurrence on the findings.

### During the Preliminary Plans, Specifications, and Estimates (PS&E) phase

The following regulatory permits and approvals may be required before project construction. The preparation of the permit applications can be initiated during PA&ED, but agencies cannot issue permits until the PS&E phase.

- The project area is located within the Coastal Zone and will require a Coastal Development Permit or exception from San Mateo County, the local coastal program area agency.

Permits from USACE, RWQCB, USFWS, CDFW, and California Coastal Commission/Local Coastal Program are discussed under item 4 above.

### **7. Level of Effort: Risks and Assumptions**

Known risks to the proposed project are as follows:

- Inability to obtain timely approval of a permit from USACE, RWQCB, USFWS, CDFW or California Coastal Commission/Local Coastal Program would add time to the project schedule.
- Inability to obtain concurrence from the Bay Area Air Quality Conformity Task Force regarding whether the project is a Project of Air Quality Concern would add time to the project schedule. The PDT must also obtain a project-level air quality conformity determination from FHWA. Inability to obtain a timely determination from FHWA would add time to the project schedule.

These risks and risk management measures are discussed further in the Risk Register (PSR-PDS Attachment F).

### **8. PEAR Technical Summaries**

8.1 **Land Use:** The project is within an unincorporated area of San Mateo County and is within the jurisdiction of the San Mateo County General Plan. Land uses adjacent to the project area are primarily residential and neighborhood commercial.<sup>1</sup> There are open space, airport, and agricultural land uses adjacent to the southern project limit, south of Marine Boulevard. Half Moon Bay Airport is southeast of the project area. Additionally, the project area is within the California Coastal Zone, and is subject to the policies of the California Coastal Act and San Mateo County Local Coastal Program.<sup>2</sup> The nearest publicly owned parks to the project area are Moss Beach and the JV Fitzgerald Marine Reserve, both of which are on the coast west of SR 1.

The project is anticipated to take place within existing public right-of-way and would not lead to any changes in land use. Therefore, the project is anticipated to be consistent with the policies of the San Mateo County General Plan. The project

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<sup>1</sup> County of San Mateo 2022. Planning and Building Map Viewer, General Plan Land Use Layer. URL: [https://gis.smcgov.org/Html5Viewer/Index.html?configBase=https://gis.smcgov.org/Geocortex/Essentials/REST/sites/publicplanning\\_sql/viewers/HTML52110/virtualdirectory/Resources/Config/Default](https://gis.smcgov.org/Html5Viewer/Index.html?configBase=https://gis.smcgov.org/Geocortex/Essentials/REST/sites/publicplanning_sql/viewers/HTML52110/virtualdirectory/Resources/Config/Default)

<sup>2</sup> County of San Mateo 2013. Local Coastal Program Policies. URL: <https://www.smcgov.org/planning/local-coastal-program>

would also support local planning initiatives such as Connect the Coastside through pedestrian and bicycle improvements.<sup>3</sup>

As stated above, the project is within the Coastal Zone and is subject to the policies of the San Mateo County Local Coastal Plan. It may require a Coastal Development Permit. Early coordination should take place between the Project Development Team (PDT), the California Coastal Commission, and San Mateo County Local Coastal Planners. This will allow the PDT to identify and prevent potential conflicts with coastal policies (e.g., those enacted to preserve public access, biological resources, and aesthetics).

- 8.2 **Growth:** None of the Build Alternatives would involve construction of new residential buildings or businesses, nor would they extend transportation facilities that could induce population growth. Project activities would be limited to improving the existing transportation facility and increasing connectivity for transit and nonmotorized transportation modes. The project would not increase capacity on SR 1 and is not anticipated to induce growth in the project area or elsewhere.
- 8.3 **Farmlands/Timberlands:** According to current California Department of Conservation<sup>4</sup> data, the majority of the project area falls within urban and built-up land. There is no farmland of statewide importance within or adjacent to the project area. The project is not within, but is adjacent to unique and prime farmland, as well as grazing land, at its southern limit, south of Marine Boulevard. However, project activities would be confined to existing right-of-way at this location and would not convert any agricultural uses. Further, there is no land zoned as forest land, timberland, or timberland production within the project limits.
- 8.4 **Community Impacts:** As stated above, Moss Beach is an unincorporated community within San Mateo County. It is a United States Census designated place, which is a statistical designation. It is designated primarily multifamily residential, with a few businesses, which are located along SR 1. Moss Beach Distillery, a popular coastal restaurant and bar, is approximately 0.5-mile west of SR 1. SR 1 acts as the main transportation corridor for the community.

According to the 2020 Decennial Census, Moss Beach has a small population of approximately 3,214. There are limited community-serving facilities in the community. There is a United States Post Office in the cluster of businesses along SR 1, and a church on California Avenue just off of SR 1 at Wienke Way. There is also a local park on Virginia Avenue within the community, and the Half Moon Bay Airport is located to the southeast of the project limits.

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<sup>3</sup> County of San Mateo 2022. Connect the Coastside. URL: <https://www.smcgov.org/planning/connect-coastside>

<sup>4</sup> California Department of Conservation (DOC). 2022. California Important Farmland Finder. URL: <https://maps.conservation.ca.gov/DLRP/CIFF/>

Caltrans identifies a community as an environmental justice community of concern if it meets one or both of the following criteria:

- The minority population exceeds 50 percent or is meaningfully greater (e.g., more than 10 percentage points) than the minority population percentage in the general population or other appropriate unit of geographic analysis (e.g., the surrounding county).
- The low-income population comprises more than 25 percent of the Census block group or tract.

Moss Beach is approximately 55 percent white and has a poverty rate of approximately 7 percent.<sup>5</sup> Additionally, the minority population percentage is lower than that of San Mateo County at large. It does not meet the definition of environmental justice community of concern.

The California Office of Environmental Health Hazard Assessment's CalEnviroScreen 4.0 tool also provides insight into environmental justice and equity and was reviewed for this report. According to CalEnviroScreen 4.0, the Census Tract that Moss Beach falls within (6081613600) has a percentile score of 11 percent, indicating that it has substantially less environmental risk factors than other tracts in California.

Based on the anticipated benefits of the project and the lack of environmental justice communities in and adjacent to the project area, community impacts are unlikely.

**8.5 Visual/Aesthetics:** SR 1 within the project limits is eligible for State Scenic Highway status but does not have official designation. It is also not a Classified Landscaped Freeway. It is a County Scenic Highway, as designated by the San Mateo County General Plan. This county status assigns special protections to SR 1 within the project limits – developments cannot “significantly obscure, detract from, or negatively affect the quality” of public views within and from the corridor. The scenic value of the project area is also protected by the San Mateo County Local Coastal Program.

The project area is characterized by its rural and largely undisturbed nature. Small, one-to-two-story homes and businesses line both sides of the two-lane undivided SR 1 corridor, and are surrounded by dense, mature tree stands. Coastal views from SR 1 in the project area are mostly screened by buildings and vegetation from Marine Boulevard to Vallemar Street. North of Vallemar Street, there are striking expansive views of the coastline and Pacific Ocean.

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<sup>5</sup> U.S. Census Bureau. 2020. Decennial Census 2020. Table P2: Hispanic or Latino, and Not Hispanic or Latino by Race, Census Designated Place Moss Beach, San Mateo County, California.

## Build Alternatives

All Build Alternatives propose to implement intersection upgrades (i.e., roundabouts or traffic signals), traffic control devices, bicycle and pedestrian improvements, and signage and pavement markings. All Build Alternatives are anticipated to affect the existing visual character and quality of the project area. These changes would be particularly apparent in areas such as the intersection of SR 1 and 16<sup>th</sup> Street, which is removed from the town center of Moss Beach and exhibits a high degree of rural, undisturbed character.

While all Build Alternatives would affect visual resources, the signalized intersection portions of the alternatives are anticipated to have a greater overall effect. Implementing traffic signals and associated infrastructure would partially screen views of the horizon, surrounding trees, and potentially the coast. Additionally, the signals would create a new source of light and glare, which would be more apparent at night. A Visual Impact Assessment will be prepared in order to study the extent of potential impacts.

The preliminary VIA questionnaire resulted in a rating of 22, indicating that a Moderate VIA may be appropriate for the project. Given the potential for local interest in the project, a moderate VIA is recommended. The completed questionnaire is included as Attachment C of this PEAR.

- 8.6 **Cultural Resources:** According to Caltrans Historic Bridge Inventory (January 2023), there are no historic bridges within the project area.

The proposed study project area and a 0.25-mile buffer were reviewed for the presence of documented cultural resources at the Northwest Information Center (File #22-1325) on March 1, 2023. There were two previously recorded resources (P-41-000171/SMA-171H and P-41-000059/SMA-55) in or adjacent to the project area; with an additional six resources recorded within the 0.25-mile buffer. P-41-000171/SMA-171H is the Point Montara Light Station Historic District which is individually determined eligible to the National Register of Historic Places (NRHP) by the Keeper and is listed in the California Register of Historical Resources. P-41-000059/SMA-55 is a Nelson Shellmound site #405 and it is located in the northern portion of the project area. These archaeological sites are not always documented well; sometimes the only information that is available is a dot on a map. There is another archaeological site (P-41-000203/SMA-203) recorded immediately south of the project area at San Vicente Creek, but within the 0.25-mile buffer, that is eligible for the NRHP.

Depending on the nature and extent of the project, a Finding of Effect (FOE) document may be necessary to determine the effects to any NRHP-eligible resources in the project's area of potential effects (APE), specifically the Point Montara Light Station Historic District. Due to the presence of the NRHP-eligible archaeological site near, and the previously recorded P-41-000059/SMA-55 site in, the project area, an Extended Phase I (XPI) subsurface investigation is

anticipated to be necessary to determine the subsurface presence of these sites in the APE. Native American consultation will be conducted during PA&ED, as required. A request on February 23, 2023 of California's Native American Heritage Commission (NAHC) to search their Sacred Lands File (SLF) was negative. It should be noted that records maintained are not exhaustive and a negative response to the search of the SLF does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

The resources will be studied and documented in an Archaeological Survey Report (ASR), with an XPI Report and FOE possibly needed to further understand the effects on the nearby resources; the entire effort will be summarized in an Historic Property Survey Report (HPSR), including Native American consultation.

- 8.7 **Hydrology and Floodplain:** The project area is overlapped by two Federal Emergency Management Agency (FEMA) Flood Insurance Report Maps, both dated August 2, 2017. The map numbers that overlap the project area are 06081C0119F and 06081C0117F. According to FEMA mapping, the majority of the project area is in Zone X, an area of minimal flood hazard.

SR 1 crosses two creeks in the project area – San Vicente Creek in the southern project area, and Montara Creek in the northern project area. The immediate area surrounding San Vicente Creek is in Zone AE. Additionally, the area just north of San Vicente Creek, which is primarily residential, is in Zone X with a 0.2 percent annual chance flood hazard. Similarly, the immediate area surrounding Montara Creek is in Zone AE. The areas just south and north of Montara Creek are in Zone X with a 0.2 percent annual chance flood hazard. Additionally, the area surrounding the Montara Creek culvert underneath SR 1 has a 1 percent annual chance flood discharge contained in structure.

### Build Alternatives

A Location Hydraulic Study will be prepared to address hydrology and floodplain for the Build Alternatives.

- 8.8 **Water Quality and Storm Water Runoff:** Moss Beach is within the San Mateo Coastal Basin, which is within the larger, regional San Francisco Bay Basin.<sup>6</sup> The area largely drains west toward the Pacific Ocean. The project area may also cross the following sub watersheds: San Vicente Creek, Dean Creek, and Montara Creek.<sup>7</sup>

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<sup>6</sup> SWRCB (State Water Resources Control Board). 2017. San Mateo Coastal Basin. [online]: [https://www.waterboards.ca.gov/sanfranciscobay/water\\_issues/programs/planningtmdls/basinplan/web/fig/fig\\_2-04.pdf](https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/planningtmdls/basinplan/web/fig/fig_2-04.pdf). Accessed April 2, 2019.

<sup>7</sup> City/County Association of Governments Of San Mateo County (C/CAG). 2023. Watershed Map. URL: <https://www.flowstobay.org/data-resources/maps/watershed-map/>

## Build Alternatives

All Build Alternatives have the potential to alter drainage patterns through the creation of new impervious surface. The degree of drainage pattern alternation would vary by Build Alternative.

A Water Quality Assessment Report will be prepared to evaluate the potential for water quality impacts to existing surface water and/or groundwater resources and the potential for hydromodification within the project limits. Water quality treatment options will be considered and, as appropriate, included in the project. In addition, a Storm Water Data Report will be prepared to address storm water treatment commitments.

### **8.9 Geology, Soils, Seismic and Topography:**

According to U.S. Geological Survey mapping,<sup>8</sup> the project area is primarily underlain by Pleistocene marine terrace deposits (Qmt) and granitic rocks of Montara Mountain (Kgr). Qmt is associated with poorly consolidated and poorly indurated well- to poorly-sorted sand and gravel, while Kgr is associated with very light gray to light brown, medium- to coarsely-crystalline foliated granitic rock, largely quartz diorite with some granite. Kgr is also highly weathered and fractured.

The project area is approximately 7 miles west of the closest section of the San Andreas fault and 0.2 mile east of the San Gregorio fault.<sup>9</sup> The San Gregorio fault generally runs parallel to SR 1 throughout the project area. Seismic hazard mapping shows that the project area's liquefaction potential varies from "very low" to "moderate."<sup>10</sup>

The project area elevation is generally less than 100 feet above mean sea level. The topography is relatively flat but rises slightly in the northern project area. The general topographic gradient is west toward the coast of the Pacific Ocean.<sup>11</sup>

## Build Alternatives

A Preliminary Geotechnical Report will be prepared to summarize the regional and local geology and seismology for the project location. It will describe soil

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<sup>8</sup> E.E. Brabb, R.W. Graymer, and D.L. Jones. 1998. Geology of the Onshore Part of San Mateo County, California: A Digital Database. Pamphlet derived from Digital Open File 98-137. U.S. Department of the Interior, U.S. Geological Survey. URL: <https://pubs.er.usgs.gov/publication/ofr98137>.

<sup>9</sup> U.S. Geological Survey. No date. The San Andreas and Other Bay Area Faults. Bay Area Faults Google Earth file. URL: <https://earthquake.usgs.gov/earthquakes/events/1906calif/virtualtour/kml/SanAndreasBayAreaFaults.kmz>.

<sup>10</sup> San Mateo County. Earthquake Liquefaction – Entire San Andreas Fault, 1960. URL: <https://www.smcgov.org/media/73081/download?inline=>

<sup>11</sup> U.S. Geological Survey. 2021. 7.5 minute Series Topographic Maps for Montara Mountain OE West, California Quadrangles. URL: <https://ngmdb.usgs.gov/topoview/viewer/#15/37.5276/-122.5156>

conditions, geologic and seismic hazards, and identify preliminary recommendations or measures to consider during project design for all Build Alternatives.

- 8.10 **Paleontology:** The geologic units in the project area are described above in Section 8.9. The Pleistocene units in the project area may be sensitive for paleontological resources.

#### Build Alternatives

The Build Alternatives are not anticipated to affect sensitive paleontological resources, as project activities would be generally limited to existing public right-of-way, and previously disturbed areas. A combined Paleontological Identification/Evaluation Memo will be prepared to further evaluate whether the Build Alternatives have potential to encounter sensitive paleontological resources.

- 8.11 **Hazardous Waste/Materials:** The Initial Site Assessment (ISA) for the proposed project indicates that active and historic land uses including automotive repair, gas stations, fire station, automotive body shops, and dry cleaners represent Recognized Environmental Conditions (RECs) for the project area. In addition, the project area has the potential to contain aerially deposited lead (ADL) from highway uses, pesticides from historical agriculture, soil contamination from railroad corridors and hazardous building materials. Outside of the project limits, but within 1/8 of a mile upgradient, there are also six other RECs that could require further investigation should the project limits become expanded during the next phase of project development.

All soil excavated within the project limits will require characterization for lead before reuse and/or disposal. If dewatering is required during structure work, the groundwater will require characterization before it is discharged into the stormwater or sanitary sewer and/or disposed of at an off-site water treatment plant.

- 8.12 **Air Quality:** The area surrounding the project generally consists of residential land uses, as well as some restaurants and retail spaces. There is also a nearby church and a sheriff's office. Sensitive receptors include children, the elderly, people with asthma, and other members of the population who are at a heightened risk of negative health outcomes from exposure to air pollution. Schools, childcare facilities, hospitals, nursing homes, and residential communities are locations where sensitive receptors typically occur. Nearby sensitive receptors may include the homes adjacent to SR 1, as well as a park and playground located on Virginia Avenue, known as Moss Beach Park.

For the National Ambient Air Quality Standards (NAAQS), the San Francisco Bay Area Air Basin (SFBAAB) is currently designated as an attainment area for the 8-hour carbon monoxide (CO) standard and a nonattainment area for the 8-hour ozone (O<sub>3</sub>) standard and 24-hour standard for particles of 2.5 micrometers and



smaller (PM<sub>2.5</sub>). For the California Ambient Air Quality Standards (CAAQS), the SFBAAB is designated a nonattainment area for the 1-hour and 8-hour O<sub>3</sub> standards, the annual average and 24-hour standards for particles of 10 micrometers or smaller (PM<sub>10</sub>), and the annual average PM<sub>2.5</sub> standard. The SFBAAB is classified as attainment or unclassified for the remaining NAAQS and CAAQS.

*Plan Bay Area 2050* is the long-range Regional Transportation Plan and Sustainable Communities Strategy for the nine-county San Francisco Bay Area. This project is included in *Plan Bay Area 2050* as Regional Transportation Plan identification number (RTPID) 21-T07-056.<sup>12</sup> The project is also in the 2023 Transportation Improvement Program (TIP), which was adopted by the MTC on September 28, 2022 (TIP ID SM-170001).<sup>13</sup> The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) approved the 2023 TIP on December 16, 2022.

### Build Alternatives

**Project-Level Air Quality Conformity:** While certain features of the Build Alternatives (e.g., bicycle and pedestrian facilities, traffic calming measures) could be considered exempt under 40 CFR § 93.126, the overarching intersection upgrades are unlikely to be exempt. Table 2 of 40 CFR § 93.126 states that signalization projects are not exempt, which directly applies to all Build Alternatives. Therefore, project-level conformity would need to be demonstrated for all Build Alternatives.

An Air Quality Conformity Analysis will be prepared for submittal to FHWA. Additionally, an Air Quality Report will be prepared to identify sensitive receptors and provide quantitative analyses of construction and operational emissions, including for GHGs. As design year annual average daily traffic (AADT) is expected to fall well below the 140,000-150,000 AADT threshold<sup>14</sup> for projects with high potential for mobile source air toxics (MSAT) effects, the Air Quality Report will include a qualitative assessment of operational MSAT emissions. Transportation conformity requirements no longer apply for the National Ambient Air Quality Standard for carbon monoxide; therefore, a carbon monoxide hot spot

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<sup>12</sup> ABAG (Association of Bay Area Governments) and MTC (Metropolitan Transportation Commission). 2021. *Plan Bay Area 2050. A Vision for the Future. Final Plan*, adopted October 21, 2021. URL: [https://www.planbayarea.org/sites/default/files/documents/Plan\\_Bay\\_Area\\_2050\\_October\\_2021.pdf](https://www.planbayarea.org/sites/default/files/documents/Plan_Bay_Area_2050_October_2021.pdf).

<sup>13</sup> MTC (Metropolitan Transportation Commission). 2021a. 2021 Transportation Improvement Program (TIP) For the Nine-County San Francisco Bay Area. February 24, 2021. MTC Resolution No. 4475. URL: <https://mtc.ca.gov/funding/transportation-improvement-program/2021-tip>.

<sup>14</sup> Caltrans. No date. *Analyzing Mobile Source Air Toxics (MSAT) in the NEPA Process for Highways*. URL: <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/ser/f0006638-msat-flowchart-a11y.pdf>.

analysis is not needed and will not be included.<sup>15</sup> FHWA consultation must be completed prior to the Air Quality report being approved.

Regional Air Quality Conformity: The Build Alternatives are exempt from regional air quality conformity since they contain elements of intersection channelization, which are included in the list of exemptions in 40 CFR § 93.127.

- 8.13 **Noise and Vibration:** Sensitive receptors adjacent to SR 1 include residences, retail shops, restaurants, a sheriff's office, and The Church of Jesus Christ of Latter-day Saints located at 475 California Avenue. Two restaurants adjacent to SR 1 – El Gran Amigo Taqueria and Odyssey Pizzeria and Café – have outdoor seating, and therefore may be particularly sensitive to changes in noise and vibration.

While the project would result in increases in noise and vibration during construction, those changes would be temporary, and reduced by Caltrans Standard Specifications. In accordance with 2018 Caltrans Standard Specifications Section 14-8.02, noise from construction activities would not exceed a maximum noise level of 86 A-weighted decibels at a distance of 50 feet from 9 p.m. to 6 a.m. A construction noise memo will be prepared to evaluate temporary construction noise.

#### Build Alternatives

Potential operational noise and vibration impacts would vary by Build Alternative. However, none of the Build Alternatives are a Type I under 23 CFR 772, because they would not alter the location of a roadway, substantially alter the horizontal or vertical alignment of a roadway, or increase the number of through-traffic lanes on a roadway. They are also not Type II, as they are not projects for noise abatement on an existing highway. Therefore, all Build Alternatives would be Type III, meaning that they would be exempt from evaluation of noise abatement under 23 CFR 772. A Noise Study Report is not required.

- 8.14 **Energy and Climate Change:**

#### Energy

According to the Caltrans Energy Analysis Report Decision Tree,<sup>16</sup> an Energy Analysis Report with quantitative analysis should only be prepared if a project is capacity increasing or provides congestion relief. None of the Build Alternatives are capacity increasing. As stated in Caltrans' Transportation Analysis under

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<sup>15</sup> United States Environmental Protection Agency (EPA). 2018. Letter to Muhaned Aljabiry, Chief, Office of Federal Transportation Management Program, Caltrans, Sacramento, CA, from Elizabeth J. Adams, Acting Director, Air Division, EPA Region IX, San Francisco, CA. March 21.

<sup>16</sup> Caltrans 2019. Energy Analysis Report Decision Tree. URL: <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/ser/nepa-ceqa-energy-a11y.pdf>

CEQA (TAC) guidelines,<sup>17</sup> project types not likely to lead to a measurable and substantial increase in vehicle travel include the following:

- Installation, removal, or reconfiguration of traffic control devices, including
- Transit Signal Priority (TSP) features
- Installation of roundabouts or traffic circles
- Installation or reconfiguration of traffic calming devices
- Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way
- Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve non-motorized travel

As stated above, a quantitative analysis of energy usage should be prepared if a project provides congestion relief. None of the Build Alternatives would specifically provide congestion relief, even if the safety features may improve the flow of traffic. Therefore, no quantitative analysis of energy usage is required for the project. Instead, a qualitative Energy Analysis Memo is appropriate.

### Climate Change

The January 2018 Caltrans Climate Change Vulnerability Assessments for the District 4 region, which covers the nine-county San Francisco Bay Area, was consulted regarding climate stressors in the Project area. The report and accompanying Climate Change Vulnerability Assessment map tool (Caltrans 2017) identified sea-level rise as a potential climate change condition for the Project area for the analysis years 2025, 2055, and 2085.

The California Ocean Protection Council (OPC) provides the most current accepted estimates for sea-level rise in California. Projected sea-level rise based on the OPC State of California Sea Level Rise Guidance 2018 Update at the nearest tide gauge (San Francisco) – assuming a high emissions scenario to the end of the century (i.e., 2100), with a 1-in-200 (0.5 percent) probability – indicates that sea-level rise will rise to meet or exceed 6.9 feet above current conditions. To analyze how this level of rise would impact the Project area, the NOAA Sea-Level Rise viewer (<https://coast.noaa.gov/digitalcoast/tools/slr.html>) and Point Blue's Our Coast Our Future viewer (<https://ourcoastourfuture.org/hazard-map/>) were used to review SR 1 in the Project area. Both tools were examined using the nearest sea-level rise scenario to the OPC projection (identified above) that was available in each viewer (7 feet of modeled sea-level rise above the current mean higher high water tidal elevation using the NOAA viewer, and 6.6 feet [with a 100-year storm event] using the Point Blue viewer).

The project corridor was reviewed using both the Our Coast Our Future and NOAA tools. Through this review, it was determined that the project area is not

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<sup>17</sup> Caltrans 2020. Transportation Analysis under CEQA First Edition. URL: <https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/sb-743/2020-09-10-1st-edition-tac-fnl-a11y.pdf>

subject to sea-level rise inundation at current tidal elevations and is not in an area that would be subject to inundation under the estimated potential sea level increase by the end of the century under a scenario of reasonably likely sea-level rise and storm surge.

		Probabilistic Projections (in feet) (based on Kopp et al. 2014)				H++ scenario (Sweet et al. 2017) *Single scenario
		MEDIAN	LIKELY RANGE	1-IN-20 CHANCE	1-IN-200 CHANCE	
		50% probability sea-level rise meets or exceeds...	66% probability sea-level rise is between...	5% probability sea-level rise meets or exceeds...	0.5% probability sea-level rise meets or exceeds...	
				Low Risk Aversion	Medium - High Risk Aversion	Extreme Risk Aversion
High emissions	2030	0.4	0.3 - 0.5	0.6	0.8	1.0
	2040	0.6	0.5 - 0.8	1.0	1.3	1.8
	2050	0.9	0.6 - 1.1	1.4	1.9	2.7
Low emissions	2060	1.0	0.6 - 1.3	1.6	2.4	
High emissions	2060	1.1	0.8 - 1.5	1.8	2.6	3.9
Low emissions	2070	1.1	0.8 - 1.5	1.9	3.1	
High emissions	2070	1.4	1.0 - 1.9	2.4	3.5	5.2
Low emissions	2080	1.3	0.9 - 1.8	2.3	3.9	
High emissions	2080	1.7	1.2 - 2.4	3.0	4.5	6.6
Low emissions	2090	1.4	1.0 - 2.1	2.8	4.7	
High emissions	2090	2.1	1.4 - 2.9	3.6	5.6	8.3
Low emissions	2100	1.6	1.0 - 2.4	3.2	5.7	
High emissions	2100	2.5	1.6 - 3.4	4.4	6.9	10.2
Low emissions	2110*	1.7	1.2 - 2.5	3.4	6.3	
High emissions	2110*	2.6	1.9 - 3.5	4.5	7.3	11.9
Low emissions	2120	1.9	1.2 - 2.8	3.9	7.4	
High emissions	2120	3	2.2 - 4.1	5.2	8.6	14.2
Low emissions	2130	2.1	1.3 - 3.1	4.4	8.5	
High emissions	2130	3.3	2.4 - 4.6	6.0	10.0	16.6
Low emissions	2140	2.2	1.3 - 3.4	4.9	9.7	
High emissions	2140	3.7	2.6 - 5.2	6.8	11.4	19.1
Low emissions	2150	2.4	1.3 - 3.8	5.5	11.0	
High emissions	2150	4.1	2.8 - 5.8	5.7	13.0	21.9

Figure 1: Probabilistic projections of sea-level rise at the nearest tide gauge (San Francisco)<sup>18</sup>

The project area is also overlapped by two FEMA Flood Insurance Report Maps, both dated August 2, 2017. The map numbers that overlap the project area are 06081C0119F and 06081C0117F. The Project is not expected to have any impact on the base floodplains that are identified in these maps.

Attachment Q notes that the Build Alternatives are not anticipated to induce demand or increase vehicle miles travelled (VMT). Therefore, the project is not anticipated to increase greenhouse gases from operations. However, project construction would require the temporary release of greenhouse gases.

<sup>18</sup> California Ocean Protection Council (OPC). 2018. State of California Sea Level Guidance. URL: [http://www.opc.ca.gov/webmaster/ftp/pdf/agenda\\_items/20180314/Item3\\_Exhibit-A OPC SLR Guidance-rd3.pdf](http://www.opc.ca.gov/webmaster/ftp/pdf/agenda_items/20180314/Item3_Exhibit-A OPC SLR Guidance-rd3.pdf)

Greenhouse gas emissions will be estimated based on the traffic and air quality evaluations and reported in the Initial Study/Environmental Assessment.

According to the CAL FIRE Fire Hazard Severity Zones in State Responsibility Area,<sup>19</sup> the project area is not in any fire hazard areas. The closest fire hazard area to the project is the moderate fire hazard area just north of Etheldore Street south of Lancaster Boulevard.

**8.15 Biological Environment:** The project consists primarily of existing pavement along Highway 1 and is located in a mosaic of urbanized residential and commercial areas and natural areas. Natural areas are dominated by mixed pine and cypress forest, coastal scrub, non-native grassland, and ruderal areas. There are three prominent water features that cross Hwy 1 along the project boundaries.

- Montara Creek crosses Hwy 1 between 14th and 16th street at the northern terminus of the project. The area surrounding this feature is delineated in the National Wetland Inventory as “freshwater forested shrub wetland.”
- San Vicente Creek crosses Hwy 1 between California and Virginia. Feature appears to be an underground culvert.
- Denniston Creek crosses Hwy 1 immediately east of the Capistrano offramp at the southern terminus of the project

All three features appear to be culverted below Hwy 1. In addition, there appears to be a wetland features with emergent vegetation in roadside drainage system on the north side of Highway 1 between California Ave and Etheldore Ave.

Based on a search of the California Department of Fish and Wildlife’s California Natural Diversity Database, USFWS IPaC database, and relevant literature, special-status species that have a moderate to high potential to occur in the project vicinity include the CRLF and SFGS. There is no designated critical habitat overlapping the project area. The nearest location where CRLF were documented are immediately west of Highway 1 within San Vicente Creek near the Marine Reserve and east of Highway 1 along San Vicente Creek near Ranch Road. SFGS records are suppressed; however, Montara is located between three known populations of SFGS in Pacifica to the north, Half Moon Bay to the south, and Upper Crystal Springs Reservoir to the east. The project is located within their range and SFGS have the potential to occur along the project, particularly along the three aforementioned creek crossings.

In addition, San Francisco dusky-footed woodrat (*Neotoma fuscipes annectens*; a state species of special concern), special-status bats, and migratory birds have the potential to occur in the project area.

---

<sup>19</sup> California Department of Forestry and Fire Protection. 2023. Fire Hazard Severity Zones in State Responsibility Area. URL: <https://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=988d431a42b242b29d89597ab693d008>

The project area is mapped as being located in Essential Fish Habitat (EFH); however, the accuracy of mapped EFH is low and often mapped in upland areas. The project is not located within EFH. The California fish passage assessment database (PAD) lists Montara Creek and San Vicente Creek as having complete barriers to fish passage. The barrier on Montara Creek is the culvert under Highway 1 and the barrier on San Vicente Creek is on the beach. Habitat upstream in both creeks is listed by CDFW as low quality and unsuitable for salmonid spawning.

Lastly, there are records of the federally endangered San Bruno elfin butterfly (*Callophrys mossii bayensis*) within 1.6 miles of the project on Montara Mountain; however, the boundaries of this population are well known, and this species has a low potential to occur in the project area.

**8.16 Cumulative Impacts:** Cumulative impacts will be addressed in the environmental document following current Caltrans guidance.

**8.17 Context Sensitive Solutions:** Caltrans applies Context Sensitive Solutions (CSS) to achieve transportation goals in harmony with community goals and natural environments. These solutions are reached through a collaborative interdisciplinary approach involving all stakeholders, and these efforts will be pursued during PA&ED.

## **9. Summary Statement for PID**

A combined CEQA and NEPA Initial Study/Environmental Assessment (IS/EA) is currently proposed for this project, primarily due to the potential impacts of the proposed roundabout alternatives. If the alternatives under consideration is reduced to only Alternative 2, then a CEQA Initial Study with Proposed Negative Declaration (IS/ND, or Mitigated ND) and NEPA Categorical Exclusion may be appropriate instead. This option can be evaluated when additional design information becomes available.

## **10. Disclaimer**

This Preliminary Environmental Analysis Report (PEAR) provides information to support programming of the proposed project. It is not an environmental determination or document. Preliminary analysis, determinations, and estimates of mitigation costs are based on the project description provided in the PID. The estimates and conclusions in the PEAR are approximate and are based on cursory analyses of probable effects. A reevaluation of the PEAR will be needed for changes in project scope or alternatives, or in environmental laws, regulations, or guidelines.

**11. List of Preparers**

Cultural Resources specialist: Karin Beck	Date: 3/27/23
Biologist: Peter Boice	Date: 1/17/23
Community Impacts specialist: Broden Farazmand	Date: 1/10/23
Noise and Vibration specialist: Broden Farazmand	Date: 1/10/23
Air Quality specialist: Broden Farazmand	Date: 1/10/23
Paleontology specialist/liaison: Broden Farazmand	Date: 1/10/23
Water Quality specialist: Broden Farazmand	Date: 1/10/23
Hydrology and Floodplain specialist: Broden Farazmand	Date: 1/10/23
Hazardous Waste/Materials specialist: Wanda Farmer	Date: 5/23/23
Visual/Aesthetics specialist: Broden Farazmand	Date: 1/10/23
Energy and Climate Change specialist: Broden Farazmand	Date: 1/10/23
Other:	Date:
PEAR Preparer (Name and Title): Broden Farazmand, Environmental Planner	Date: 5/23/23

**12. Review and Approval**

I confirm that environmental cost, scope, and schedule have been satisfactorily completed and that the PEAR meets all Caltrans requirements. Also, if the project is scoped as a routine EA, complex EA, or EIS, I verify that the HQ DEA Coordinator has concurred in the Class of Action.

  
 Environmental Branch Chief

12/5/23  
 Date

  
 Project Manager

1/4/24  
 Date

**ATTACHMENTS:**

- Attachment A:** PEAR Environmental Studies Checklist
- Attachment B:** Schedule (Gantt Chart)
- Attachment C:** Questionnaire to Determine Visual Impact Assessment Level



## Attachment A: PEAR Environmental Studies Checklist

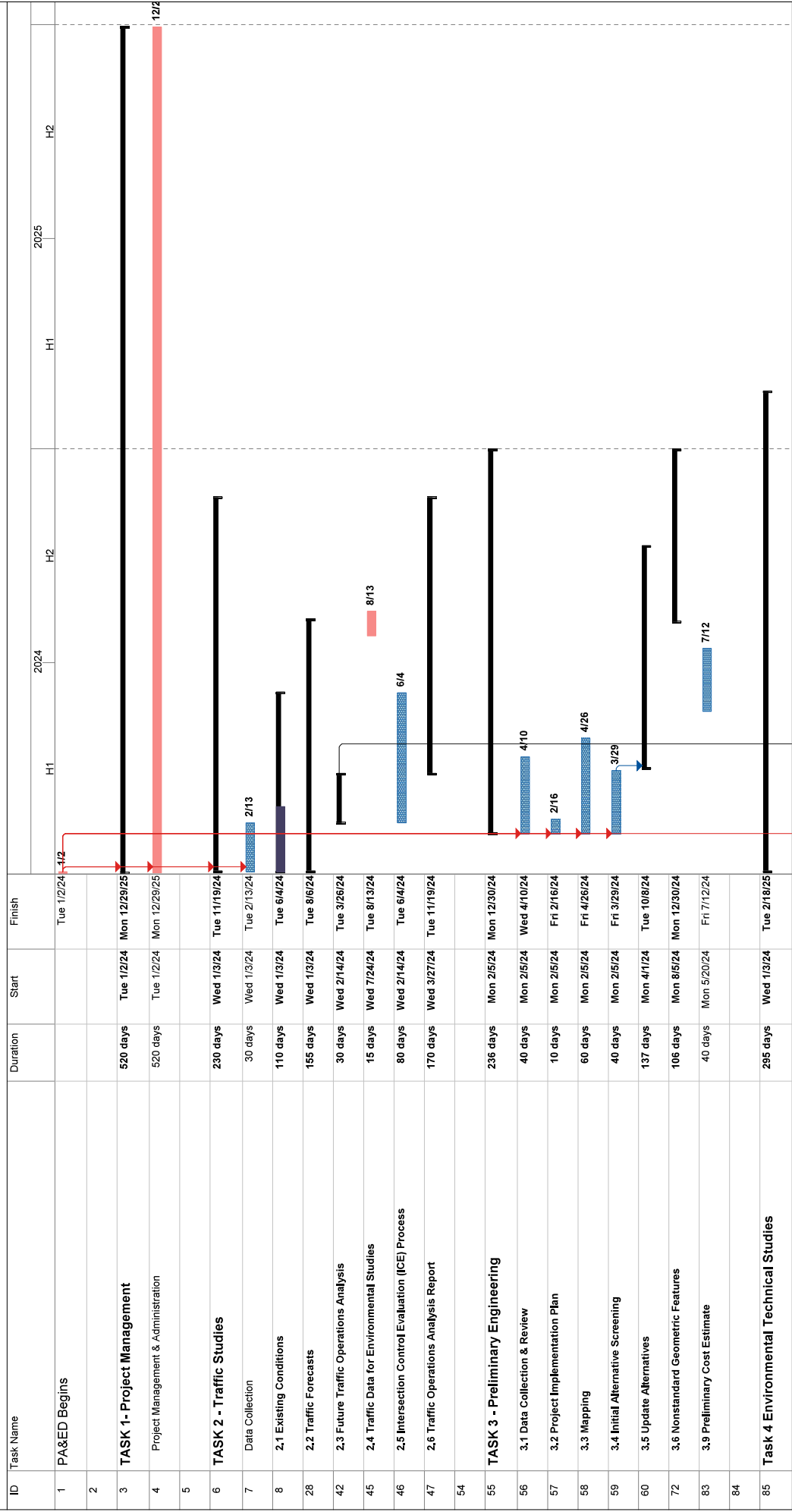
Environmental Study	Not anticipated	Memo to file	Report required	Risk	Comments
Land Use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Wild and Scenic River Consistency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Coastal Management Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Growth	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Farmlands/Timberlands	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Community Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Community Character and Cohesion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	CIA
Relocations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Environmental Justice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Utilities/Emergency Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Addressed in DED based on DPR
Traffic/Transportation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	TOAR
SB743/Induced Travel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Visual/Aesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	VIA
Cultural Resources:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	
Archaeological Survey Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	ASR
Historic Resources Evaluation Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Address in HPSR
Historic Property Survey Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	HPSR
Historic Resource Compliance Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Prepare instead of HPSR if no federal funding/NEPA nexus
Section 106 / PRC 5024 & 5024.5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Address in HPSR
Native American Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Address in HPSR
Finding of Effect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Enter comments
Data Recovery Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Memorandum of Agreement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Other: Enter other study	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Hydrology and Floodplain	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select risk	Location Hydraulic Study
Water Quality and Stormwater Runoff	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select risk	Water Quality Assessment Report
Geology, Soils, Seismic and Topography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select risk	Address in DED based on engineering Preliminary Geotech Report
Paleontology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	N/A
PER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	L	Combined PIR/PER
PMP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments



Environmental Study	Not anticipated	Memo to file	Report required	Risk	Comments
Hazardous Waste/Materials:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
ISA (Additional)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	During PS&E
Other: Enter other study	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	AQR and AQ Conformity Task Force
Noise and Vibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	L	Construction noise memo
Energy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Address qualitatively in DED
Climate Change and Sea Level Rise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Address in DED
Biological Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	NES
Fish Passage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Wildlife Connectivity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Natural Environment Study	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Enter comments
Biological Assessment Section 7:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Potential impacts to CRLF and SFGS
Formal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Enter comments
Informal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
No effect	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Section 10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
USFWS Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Biological Assessment
NMFS Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Biological Assessment
Species of Concern (CNPS, USFS, BLM, S, F)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Enter comments
Wetlands & Other Waters/Delineation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Enter comments
404(b)(1) Alternatives Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	L	404(b)(1) type analysis included in NES for RWQCB
Invasive Species	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Addressed in HMMP
Habitat Mitigation and Monitoring Plan (HMMP)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Enter comments
CDFW Consistency Determination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
2081	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Other: Enter other study	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
Cumulative Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Address in DED
Context Sensitive Solutions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Address in DED
Section 4(f) Evaluation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
<b>Permits:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Select risk	Enter comments
401 Certification Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Enter comments
404 Permit Coordination, IP, NWP, or LOP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Enter comments
1602 Agreement Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M	Enter comments

<b>Environmental Study</b>	<b>Not anticipated</b>	<b>Memo to file</b>	<b>Report required</b>	<b>Risk</b>	<b>Comments</b>
Local Coastal Development Permit Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H	Enter comments
State Coastal Development Permit Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H	Potential to be elevated to State Level Permit
NPDES Coordination	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L	Enter comments
TRPA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments
BCDC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	Enter comments

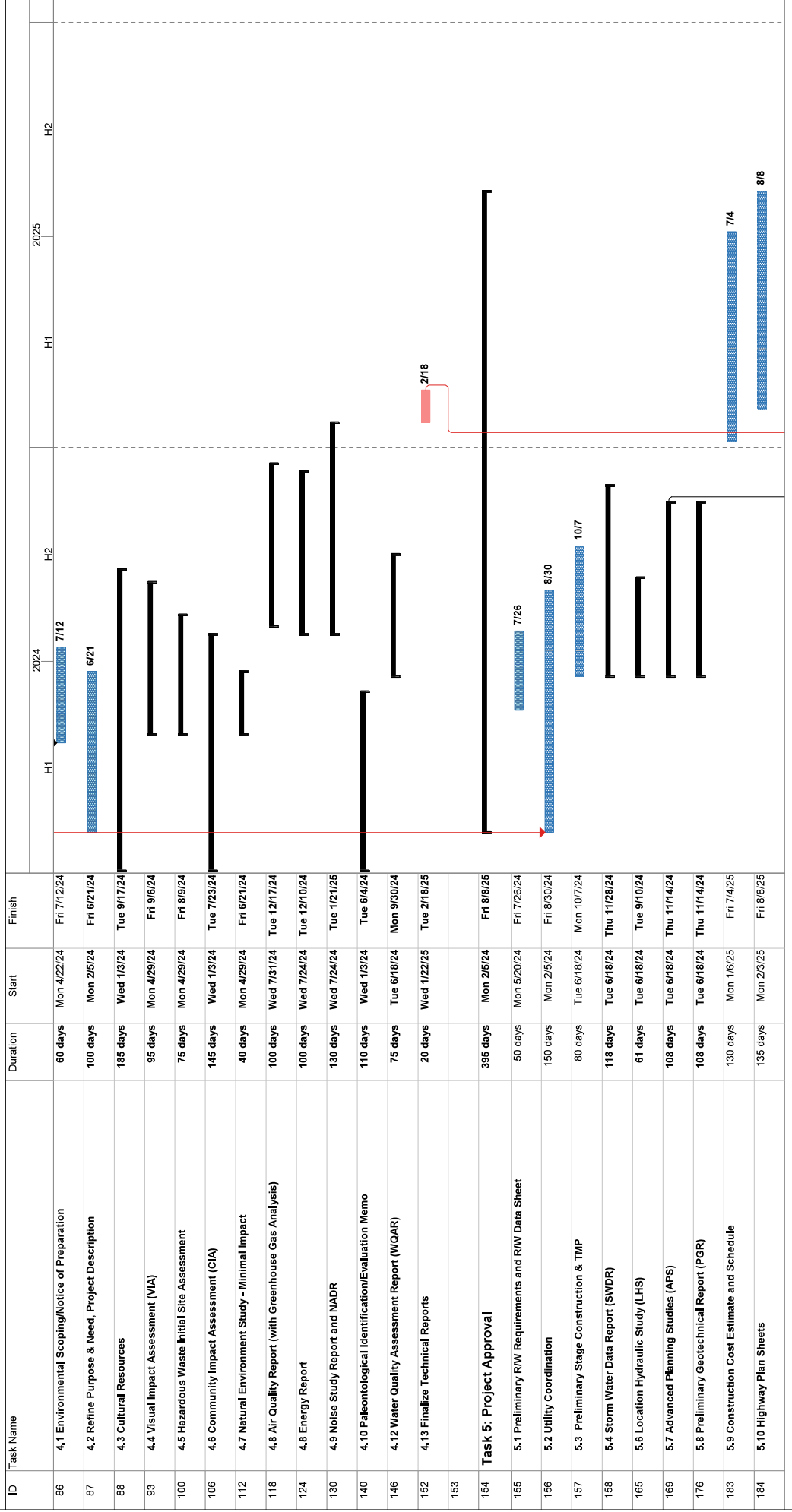
# Moss Beach State Route 1 Congestion and Safety Improvements Project, PA&ED Phase



Project: PA&ED Schedule  
 Date: Mon 6/5/23

Legend:  
 Task: [Blue box]  
 Agency Review: [Green box]  
 Milestone: [Diamond]  
 Summary: [Black bar]  
 Manual Task: [Purple bar]  
 Duration-only: [Light purple bar]  
 Manual Summary Rollup: [Black bar]  
 Critical: [Red bar]  
 Critical Split: [Dotted red bar]  
 Progress: [Pink bar]  
 Deadline: [Red bar]  
 Critical Split: [Dotted red bar]

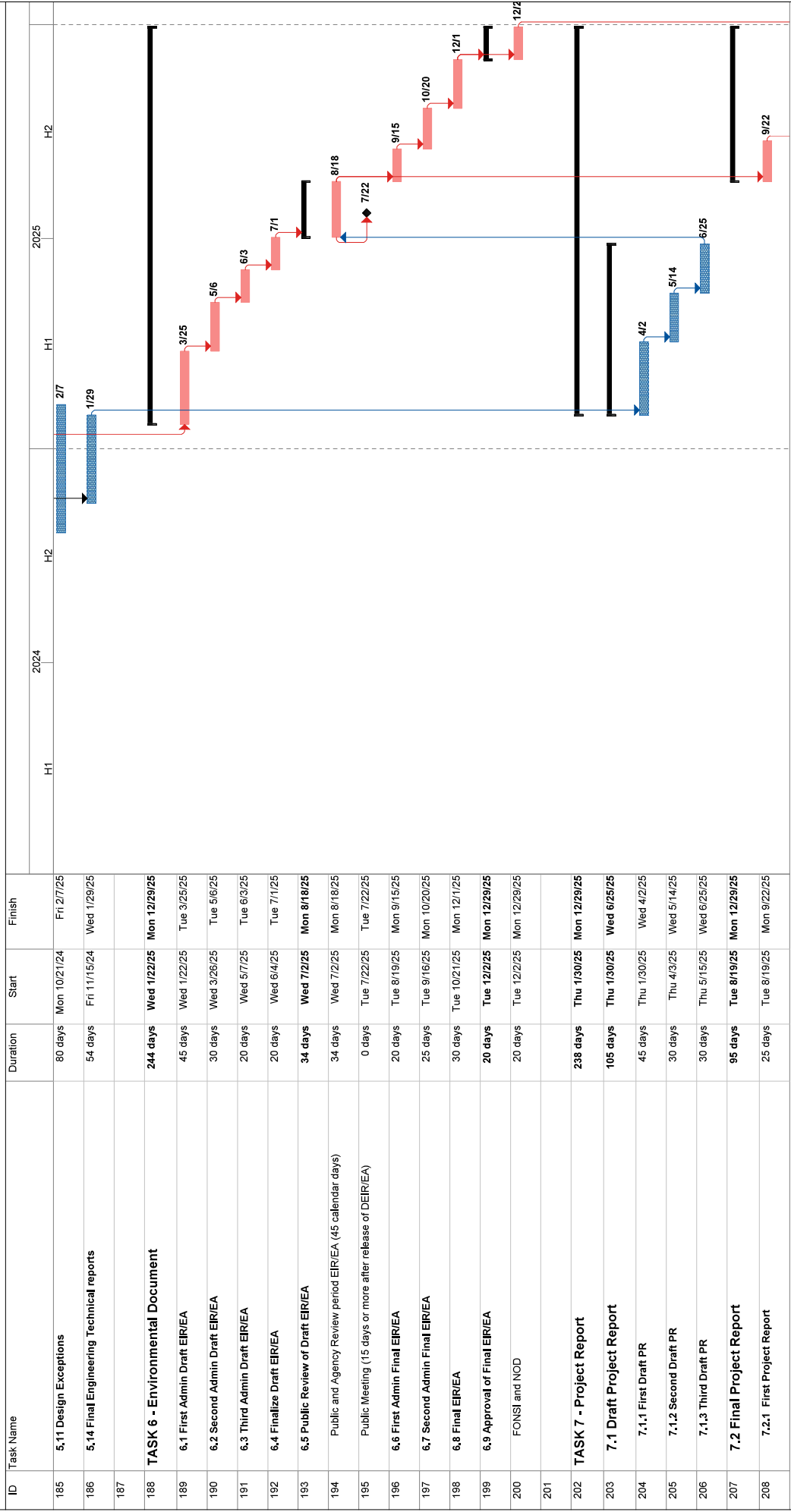
# Moss Beach State Route 1 Congestion and Safety Improvements Project, PA&ED Phase



Task Agency Review Milestone Summary Manual Task Duration-only Manual Summary Rollup Progress Deadline

Task Agency Review Milestone Summary Manual Task Duration-only Manual Summary Rollup Progress Deadline

# Moss Beach State Route 1 Congestion and Safety Improvements Project, PA&ED Phase

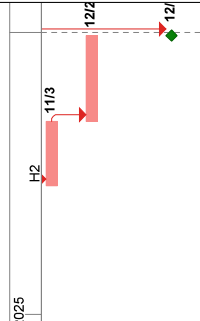


Project: PA&ED Schedule  
Date: Mon 6/5/23

Task  
 Agency Review  
 Milestone  
 Manual Summary Rollup  
 Critical  
 Critical Split  
 Progress  
 Deadline

## Moss Beach State Route 1 Congestion and Safety Improvements Project, PA&ED Phase

ID	Task Name	Duration	Start	Finish
209	7.2.2 Second Project Report	30 days	Tue 9/23/25	Mon 11/3/25
210	7.2.3 Third Project Report	40 days	Tue 11/4/25	Mon 12/29/25
211				
212	Project Approval and Environmental Document	0 days	Mon 12/29/25	Mon 12/29/25



Project: PA&ED Schedule  
Date: Mon 6/5/23

Legend:

- Task: Blue bar
- Agency Review: Green bar
- Milestone: Diamond
- Summary: Black bar
- Manual Task: Purple bar
- Duration-only: Light purple bar
- Manual Summary Rollup: Pink bar
- Critical: Red bar
- Critical Split: Dotted red bar
- Progress: Blue bar
- Deadline: Green arrow



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## Questionnaire to Determine Visual Impact Assessment (VIA) Level

Use the following questions and subsequent score as a guide to help determine the appropriate level of VIA documentation. This questionnaire assists the VIA preparer (i.e. Landscape Architect) in estimating the probable visual impacts of a proposed project on the environment and in understanding the degree and breadth of the possible visual issues. The goal is to develop a suitable document strategy that is thorough, concise and defensible.

Enter the project name and consider each of the ten questions below. Select the response that most closely applies to the proposed project and corresponding number on the right side of the table. Points are automatically computed at the bottom of the table and the total score should be matched to one of the five groups of scores at the end of the questionnaire that include recommended levels of VIA study and associated annotated outlines (i.e., minor, moderate, advanced/complex).

This scoring system should be used as a preliminary guide and should not be used as a substitute for objective analysis on the part of the preparer. Although the total score may recommend a certain level of VIA document, circumstances associated with any one of the ten question-areas may indicate the need to elevate the VIA to a greater level of detail. For projects done by others on the State Highway System, the District Landscape Architect should be consulted when scoping the VIA level and provide concurrence on the level of analysis used.

[The Standard Environmental Reference, Environmental Handbook, Volume I: Chapter 27-Visual & Aesthetics Review](#) lists preparer qualifications for conducting the visual impact assessment process. Landscape Architects receive formal training in the area of visual resource management and can appropriately determine which VIA level is appropriate.

### Preparer Qualifications:

"Scenic Resource Evaluations and VIA's are performed under the direction of licensed Landscape Architects. Landscape Architects receive formal training in the area of visual resource management with a curriculum that emphasizes environmental design, human factors, and context sensitive solutions. When recommending specific visual mitigation measures, Landscape Architects can appropriately weigh the benefits of these different measures and consider construction feasibility and maintainability."

## Calculate VIA Level Score

### Project Information

#### Project Name

#### Project Identification #

#### Preparer Name

Caltrans District Landscape Architect (DLA)

For Projects on State Highway System Only, Enter DLA Name

## Change to Visual Environment

### **Will the project result in a noticeable change in the physical**

#### **1. characteristics of the existing environment?**

Consider all project components and construction impacts - both permanent and temporary, including landform changes, structures, noise barriers, vegetation removal, railing, signage, and contractor activities.

Moderate Level of Change (2 points) ▼

### **Will the project complement or contrast with the visual character desired**

#### **2. by the community?**

Evaluate the scale and extent of the project features compared to the surrounding scale of the community. Is the project likely to give an urban appearance to an existing rural or suburban community? Do you anticipate that the change will be viewed by the public as positive or negative? Research planning documents, or talk with local planners and community representatives to understand the type of visual environment local residents envision for their community.

Moderate Compatibility (2 points) ▼

### **What level of local concern is there for the types of project features (e.g., bridge structures, large excavations, sound barriers, or median planting**

#### **3. removal) and construction impacts that are proposed?**

Certain project improvements can be of special interest to local citizens, causing a heightened level of public concern, and requiring a more focused visual analysis.

Moderate Concern (2 points) ▼

### **Will the project require redesign or realignment to minimize adverse change or will mitigation, such as landscape or architectural treatment,**

#### **4. likely be necessary?**

Consider the type of changes caused by the project, i.e., can undesirable views be screened or will desirable views be permanently obscured so a redesign should be considered?

Mitigation Likely (1 point) ▼

### **Will this project, when seen collectively with other projects, result in an aggregate adverse change (cumulative impacts) in overall visual quality**

#### **5. or character?**

Identify any projects (both Caltrans and local) in the area that have been constructed in recent years and those currently planned for future construction. The window of time and the extent of area applicable to possible cumulative impacts should be based on a reasonable anticipation of the viewing public's perception.

Cumulative Impacts Unlikely to Occur (1 point) ▼

## Viewer Sensitivity

### **What is the potential that the project proposal will be controversial within**

#### **1. the community, or opposed by any organized group?**



This can be researched initially by talking with Caltrans and local agency management and staff familiar with the affected community's sentiments as evidenced by past projects and/or current information.

High Potential (3 points) ▼

**How sensitive are potential viewer-groups likely to be regarding visible changes proposed by the project?**

Consider among other factors the number of viewers within the group, probable viewer expectations, activities, viewing duration, and orientation. The expected viewer sensitivity level may be scoped by applying professional judgment, and by soliciting information from other Caltrans staff, local agencies and community representatives familiar with the affected community's sentiments and demonstrated concerns.

High Sensitivity (3 points) ▼

**To what degree does the project's aesthetic approach appear to be consistent with applicable laws, ordinances, regulations, policies or standards?**

Although the State is not always required to comply with local planning ordinances, these documents are critical in understanding the importance that communities place on aesthetic issues. The Caltrans Environmental Planning branch may have copies of the planning documents that pertain to the project. If not, this information can be obtained by contacting the local planning department. Also, many local and state planning documents can be found online at the California Land Use Planning Network.

Moderate Compatibility (2 points) ▼

**Are permits going to be required by outside regulatory agencies (i.e., Federal, State, or local)?**

Permit requirements can have an unintended consequence on the visual environment. Anticipated permits, as well as specific permit requirements - which are defined by the permitted, may be determined by talking with the project Environmental Planner and Project Engineer. Note: coordinate with the Caltrans representative responsible for obtaining the permit prior to communicating directly with any permitting agency.

Yes (3 points) ▼

**Will the project sponsor or public benefit from a more detailed visual analysis in order to help reach consensus on a course of action to address potential visual impacts?**

Consider the proposed project features, possible visual impacts, and probable mitigation recommendations.

Yes (3 points) ▼

Calculate Total

It is recommended that you print a copy of these calculations for the project file.

Project Score: 22

## Select An Outline Based Upon Project Score

The total score will indicate the recommended VIA level for the project. In addition to considering circumstances relating to any one of the ten questions-areas that would justify elevating the VIA level, also consider any other project factors that would have an effect on level selection.

## Score 6-9

No noticeable visual changes to the environment are proposed and no further analysis is required. Print out a copy of this completed questionnaire for your project file or Preliminary Environmental Study (PES).

## Score 10-14

Negligible visual changes to the environment are proposed. A [brief Memorandum\(see sample\)](#) addressing visual issues providing a rationale why a technical study is not required.

## Score 15-19

Noticeable visual changes to the environment are proposed. An abbreviated VIA is appropriate in this case. The assessment would briefly describe project features, impacts and any avoidance and minimization measures. Visual simulations would be optional. Go to the [Directions for using and accessing the Minor VIA Annotated Outline](#).

## Score 20-24

Noticeable visual changes to the environment are proposed. A fully developed VIA is appropriate. This technical study will likely receive public review. Go to the [Directions for using and accessing the Moderate VIA Annotated Outline](#).

## Score 25-30

Noticeable visual changes to the environment are proposed. A fully developed VIA is appropriate that includes photo simulations. It is appropriate to alert the Project Development Team to the potential for highly adverse impacts and to consider project alternatives to avoid those impacts. Go to the [Directions for using and accessing the Advanced/Complex VIA Annotated Outline](#).

## Statewide Campaigns

- ▶ [ADA Access](#)
- ▶ [Adopt-A-Highway](#)
- ▶ [Amber Alert](#)
- ▶ [Be Work Zone Alert](#)
- ▶ [CAL FIRE](#)
- ▶ [Cal OES: Power Outage and Fire Recovery Resources](#)
- ▶ [California Climate Investments](#)
- ▶ [California Connected](#)
- ▶ [California Transportation Plan 2050](#)
- ▶ [Clean California](#)
- ▶ [Energy Upgrade](#)
- ▶ [Go Safely California](#)
- ▶ [Move Over Law](#)
- ▶ [REAL ID](#)
- ▶ [Save Our Water](#)
- ▶ [Stormwater Education Campaign](#)
- ▶ [Tenant and Landlord Resources](#)
- ▶ [Unclaimed Property](#)

Attachment – H  
Initial Site Assessment (ISA)

# Draft Phase I Initial Site Assessment

Moss Beach State Route 1 Congestion and  
Safety Improvements Project

Moss Beach, San Mateo County, California

Prepared for San Mateo County  
Transportation Authority

District 04-SM-04-PM 34.8-35.9  
EA 0Y780K/ID 0422000339

October 2023

# Draft Phase I Initial Site Assessment

Moss Beach, San Mateo County, California

October 2023

Prepared for:

The San Mateo County Transportation Authority  
1250 San Carlos Avenue  
San Carlos, California 94070

Prepared by:

AECOM  
300 Lakeside Drive  
Suite 400  
Oakland, CA 94612  
aecom.com



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Figure 2	Surrounding Properties Map

## Appendices

Appendix A	Project site Supporting Documentation
Appendix B	Representative Site Photographs
Appendix C	EDR Radius Map Report
Appendix D	EDR Historical Documentation

## Acronyms and Abbreviations

AAI	All Appropriate Inquiries
ADL	Aerially deposited lead
APN	Assessor's Parcel Number
AST	aboveground storage tank
ASTM	American Society of Testing and Materials
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CCR	California Code of Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERS	California Environmental Reporting System
CFR	Code of Federal Regulations
COC	Constituents of Concern
CORRACTS	RCRA Corrective Action Cleanup Enforcement
CREC	controlled recognized environmental condition
DOGGR	Division of Oil, Gas, and Geothermal Resources
DTSC	California Department of Toxic Substances Control
DWR	Department Of Water Resources
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources, Inc.
FID	Facility Inventory Database
FUDS	Formerly Used Defense Sites
GPP	Groundwater Protection Program
GSA	Groundwater Sustainability Agencies
HASP	Health & Safety Plan
HREC	historical recognized environmental condition
ISA	Initial Site Assessment
kg	kilogram(s)
LQG	large-quantity generator
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MGP	Manufactured Gas Plant Database
NPL	National Priorities List
OCP	Organochlorine pesticides
pCi/L	picoCuries per liter
PM	Post Mile
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RGA	Recovered Government Archive
RP	Responsible Party
RWQCB	Regional Water Quality Control Board
San Mateo Co.	
BI	San Mateo County Business License
SEMS-Archive	Superfund Enterprise Management System Archive
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SFPUC	San Francisco Public Utilities Commission



SLIC	Spills, Leaks, Investigations and Clean-ups
SMC	San Mateo County
SMCTA	San Mateo County Transportation Authority
SQG	Small Quantity Generator
SR	State Route
SWEEPS	Statewide Environmental Evaluation and Planning System
SWF/LF	Solid Waste Facilities/Landfill Sites
SWRCY	State Landfill/Solid Waste Disposal Inventory of recycling facilities
TCE	temporary construction easements
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank
VOC	volatile organic compound

## Executive Summary

The County of San Mateo (County), in cooperation with the San Mateo County Transportation Authority (SMCTA) and the California Department of Transportation (Caltrans) is initiating the Moss Beach State Route 1 Congestion and Safety Improvements Project (Project) in the unincorporated community of Moss Beach in San Mateo County. The Project would construct improvements on State Route (SR) 1 also known as Cabrillo Highway in the unincorporated Moss Beach area. The improvements would include upgrading and/or constructing roundabouts, traffic control/calming devices, bicycle and pedestrian sidewalks/paths, crosswalks, bus stops, and signage. The Project would encompass the highway segment from south of Cypress Avenue (Post Mile [PM] 34.8) to north of 16<sup>th</sup> Street (PM 35.9).

This report presents the results of an Initial Site Assessment (ISA) conducted in March 2023, performed by AECOM for SMCTA, for the project site (shown in **Figure 1**). The Project site includes the roadways of Cypress Avenue, California Avenue, 16<sup>th</sup> Street, Vallemar/Etheldore Street, and SR 1; and two bus pullout/bus stops along SR 1 and 100 feet southwest of SR 1.

This ISA was performed in accordance with the *Caltrans Preparation Guidelines for Initial Site Assessment Checklist for Hazardous Waste (Appendix A)*, and the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and The United States Environmental Protection Agency's standard for All Appropriate Inquiries, Title 40, Part 312, of the Code of Federal Regulations.

The ISA was performed in general conformance with the scope and limitations of ASTM Standard E 1527-21. Any exceptions to or deletions from this standard are described in Chapter 1.0, "Introduction," of this report. This ISA evaluated potential environmental liabilities resulting from past or current land uses.

In summary, this ISA revealed the following:

- According to AECOM's review of the U.S. Geological Survey topographic map, the elevation of Project site is at 65 feet above mean sea level. Area topography is variable with inclines in elevation from south to north and west to east. Local groundwater flow direction beneath the Project site may vary, but is inferred to follow the general topographic gradient, southwest toward the Pacific Ocean.
- Based on the review of historical aerial photographs, the surrounding area has been developed with residential and commercial use from at least the 1950s to the present. Prior to development the Project site was largely agricultural fields with few roads.
- According to the historical information (Fitzgerald Reserved Moss Beach History [<https://fitzgeraldreserve.org/history>]) Moss Beach was founded in the late 1800s as a beach resort and health spa for city dwellers of San Francisco. The railroad was built through town in 1905 and was abandoned by 1920 due to use of automobiles.
- According to San Mateo County mapping, the Project site is in the Seismic Hazard Zone labeled as very low to moderate liquefaction for the San Andreas Fault – Peninsula (County of San Mateo 2022; included in **Appendix A**).
- Searches were conducted of the EDR database, the State Water Resources Control Board's online database GeoTracker, and the Department of Toxic Substances Control's online database EnviroStor for facilities on federal and state site lists. The results of these searches were reviewed for information on whether records of hazardous substances, wastes, or petroleum products being improperly handled, stored, or disposed of in the Project site and adjacent properties were found. There are six sites identified as potential off-site Recognized Environmental Conditions (RECs), one site identified as a historical Recognized Environmental Conditions (HRECs), and the project site itself is considered a REC for the Moss Beach State Route 1 Congestion and Safety Project area. Each is described below.

### Off-Site RECs

- Moss Beach Chevron/KN Stations – 9400 Cabrillo Hwy – Active and Historical Gas Station – located adjacent to the Project site at the southwest corner of Vermont Avenue and Cabrillo Hwy. This facility has documented chlorinated VOC and petroleum hydrocarbon contamination. While both LUST cases are closed, there is a potential for residual constituents to volatilize during soil excavation. This facility is considered a REC.
- Beach Cleaner/Martin & Elizabeth Falvey/Joy of Being – 2385 Carlos Street– Historical Cleaner - located to the northeast of the Project site at the north corner of California Avenue and Carlos Street. This facility is documented as a cleaner from at least 1994 to 1997 indicating the facility may have handled chlorinated solvents. These chlorinated solvents result in a potential for residual constituents to volatilize during soil excavation. This facility is considered a REC.
- Point Montara Fire Protection/Fuel Oil Systems – 501 Stetson Street – Historical UST – located to the east of the Project site at the intersection of Kelmore and Stetson Street. This facility is documented to have had at least two USTs on site historically. At least one tank contained gasoline. There are no records of a tank removal indicating there is potential for residual constituents to volatilize during soil excavation. This facility is considered a REC.
- Dan's Place/Joseph T Guntren – 818 Etheldore Street – Historical Gas Station – located to the northeast of the Project site at the southwest corner of Etheldore Street and Virginia Avenue. This facility is reported to have been an autobody shop and gas station sometime in the 1940s to 1950s. The facility is also listed under the San Mateo Co. BI underground tank program indicating a UST has been present on site historically. UST removal records were not found, and the site has not been evaluated. Therefore, there is a potential for residual volatile petroleum hydrocarbon contamination and/or chlorinated VOC contamination. This facility is considered a REC.
- Jim Mannon/Private Residence – 619 Stetson Street – Open LUST Cleanup Site – located to the east of the Project site near the intersection of Stetson and Admiral Street. This site is an open LUST cleanup case with potential heating oil/fuel oil contamination to an undetermined number of media. The case was opened in 2002 and has been stalled due to the responsible party being unresponsive to requests for groundwater monitoring and remediation efforts. The site therefore has not been fully evaluated and there is the potential for volatile petroleum hydrocarbon constituents to volatilize during soil excavation. This facility is considered a REC.
- Montara Lighthouse (Orphan Site) – Coast Highway, Moss Beach, Ca is listed as LUST. The lighthouse adjoins the northern end of the proposed project property. Due to no additional information on the removal or closure of UST and any soil or groundwater investigation this facility is considered a REC. Residual impact may volatilize during construction and redevelopment along Highway 1.

The six RECs identified above have not been assessed or are currently active sites.

### On-Site REC

Based on the previous industrial and commercial activities in the Project site's surrounding areas, the Project site itself is also considered a REC.

- **Impacts from Former Surrounding Site Operations:** After a review of the historical sources, the Project site and surrounding area has operated as commercial and residential area since the mid-1950s with few industrial facilities. The commercial activities in this area included automotive repair, gas stations, fire station, automotive body shops, and dry cleaners. The historical presence of these activities with documented on-site impacts from past and present operations in the Project site's

area, combined with the lack of information on cleanup activities or spills at the nearby facilities, is considered a REC.

In addition, the Project site and surrounding area have the potential for presence of the following environmental issues that are of concern to Caltrans but are not considered RECs under ASTM Standard E 1527-13:

- Aerially-deposited lead (ADL) from highway corridors;
- Pesticides from historical agriculture use;
- Soil contamination from railroad corridors; and
- Hazardous building materials.

Based on the findings of this ISA, AECOM recommends conducting a Preliminary Site Investigation of the Project site prior to construction to evaluate potential contaminants of concern in soil, groundwater, and building materials.

Moreover, AECOM recommends that the contractor conducting soil excavations, grading operations, or dewatering in accordance with applicable Cal-OSHA requirements include a project-specific worker Health & Safety Plan (HASP) developed using the following guidance to minimize worker exposure to VOCs, semi volatile organic compounds, lead-impacted air, dust, soil, and impacted groundwater:

- Before the start of excavation activities, a "competent person" in accordance with 29 CFR 1926.650 (a person who has the knowledge and training to identify hazards and the authority to correct the hazards) will assess the toxicological (health) hazards associated with exposure to organic and inorganic chemicals and metals during the project. Chemicals which may be encountered are described in the ISA report Sections above.
- California Code of Regulations (CCR), Title 8, Subchapter 7. General Industry Safety Orders, Group 16. Control of Hazardous Substances, Article 107. Dusts, Fumes, Mists, Vapors and Gases.
- Cal OSHA standards addressing this issue General Industry (29 CFR 1910) (1910.1025 - Lead).
- Caltrans requirements for a project-specific Lead Compliance Plan (CCR Title 8, Section 1532.1, the "Lead in Construction standard").

# 1. Introduction

The County of San Mateo (County), in cooperation with the San Mateo County Transportation Authority (SMCTA) and the California Department of Transportation (Caltrans) is initiating the Moss Beach State Route 1 Congestion and Safety Improvements Project (Project) in the unincorporated community of Moss Beach in San Mateo County. The Project would construct improvements on State Route (SR) 1 also known as Cabrillo Highway in the unincorporated Moss Beach area. The Project would encompass the highway segment from south of Cypress Avenue (Post Mile [PM] 34.8) to north of 16<sup>th</sup> Street (PM 35.9).

The Project improvements include upgrading the intersections of SR 1 at Cypress Avenue, California Avenue, and 16<sup>th</sup> Street with single roundabouts or implementing traffic signals. Other intersections including SR 1 and Etheldore Street/Vallemar Street may also be improved as needed. Additional traffic control/calming devices would be added to SR 1 as required to ensure safe multi-modal operations. Bicycle and pedestrian sidewalks/pathways installations and/or improvements are proposed along the west side of SR1 (Marine Boulevard to California Avenue), the east side of SR 1 (Marine Boulevard to Etheldore Street), and along SR 1 (Class II bike lanes). These improvements would also include high-visibility crosswalks, bus stop improvements, needed signage, and pavement markings. The Project site is shown in **Figure 1**.

This Initial Site Assessment (ISA) was conducted in March 2023 in general conformance with the scope and limitations of the following: 1) the California Department of Transportation (Caltrans) Initial Site Assessment Specifications; 2) American Society for Testing and Materials (ASTM) Standard Practice E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*; and 3) The United States Environmental Protection Agency's (USEPA) standard for All Appropriate Inquiries (AAI), Title 40, Part 312, of the Code of Federal Regulations (CFR). In this document, hazardous substances and petroleum products are referred to jointly as "hazardous materials."

This report has been prepared for use solely by the County of San Mateo, SMCTA, and Caltrans and shall not be relied on by or transferred to any other party, or used for any other purpose, without the express written authorization of AECOM.

## 1.1 Purpose, Scope, and Limitations

### 1.1.1 Purpose

The purpose of this ISA is to provide a professional opinion about the potential for the presence of recognized environmental conditions (RECs) at the Project site, including potential impacts from known environmental concerns in the surrounding area. The term "recognized environmental condition," as defined by ASTM Standard E 1527-13 (ASTM 2021), means:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A historical REC (HREC) is defined as:

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

A controlled REC (CREC) is defined as:

A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by issuance of a No Further Action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Caltrans also requires consideration of the following environmental concerns that are not considered RECs under ASTM 1527-13 (Caltrans 2021):

- Aerially-deposited lead (ADL) from highway corridors;
- Pesticides from historical agriculture;
- Soil contamination from railroad corridors;
- Petroleum contamination from utility pipelines;
- Hazardous building materials;
- Naturally-occurring asbestos in bedrock; and
- Contaminated soil from fill materials.

### 1.1.2 Scope of Work

For this ISA, AECOM performed the following tasks:

- Contacted Environmental Data Resources, Inc. (EDR) to request a regulatory database search of known underground storage tanks (USTs), landfills, hazardous waste generation/treatment/storage/disposal facilities, and subsurface contamination in the surrounding area and within specified radii of the Project site;
- Reviewed geologic maps and literature from the EDR Historical Topographic Map Report for information about the physical and topographic settings of the Project site;
- Researched the Project site history by (a) reviewing aerial photographs covering the Project site and adjoining property; (b) reviewing topographic maps; and (c) researching the availability of fire insurance maps and city directories of the Project site and vicinity;
- Contacted pertinent local regulatory agencies for information about Project site usage and history, and reviewed the provided information;
- Conducted a reconnaissance of the Project site and the immediately surrounding area for obvious evidence of potential contamination, such as current hazardous materials storage or use, unusually stained soils/slabs/pavements, drains/sumps/drums/tanks/electrical transformers, stressed vegetation, discarded hazardous materials containers, and non-ATSM standard issues such as wetlands, lead-based paint, mold, and potential asbestos containing materials; and
- Evaluated the information collected and prepared in this document, which summarizes the findings, opinions, and conclusions.

### 1.1.3 Time

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions that can render this report inaccurate. Reliance on this report after the date of issuance as an accurate representation of current site conditions will be at the user's sole risk.

### 1.1.4 Data Gaps

During this Phase I ISA, data gaps of 5 years or more were identified in the historical documentation; however, these data gaps are not considered to be significant. No other data gaps were identified.

### 1.1.5 Limitations

The purpose of this ISA is not to qualify the project applicant for landowner liability protections associated with commercial real estate transactions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). As a result, the following deviations from ASTM E 1527-13, which are intended to meet or exceed the federal requirements for landowner liability protections under CERCLA, do not have a significant effect on the findings or conclusions of this ISA:

- The Project site is not a single contiguous commercial parcel, as assumed in ASTM E 1527-13, and therefore a title search to identify potential environmental liens and activity and use limitations associated with commercial parcels was not conducted.
- Interviews with past, present, and prospective owners or operators who are likely to have material information regarding the potential for contamination within the Project site were not conducted, because such persons could not be identified.
- Interviews with government regulatory agency officials regarding the potential for contamination in the vicinity of the Project site were not conducted, because any information obtained would likely duplicate information already reviewed from regulatory agency environmental records.

In conducting this due diligence investigation, AECOM has attempted to independently assess the presence of such problems within the limits of the established scope of work as described in the approved and signed contractual agreement between the SMCTA and AECOM (Agreement) dated August 22, 2022. The findings in this report are subject to certain conditions and assumptions. The conditions and assumptions are noted in the report, and any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed scope of work. The statements, conclusions, and opinions contained in this report are intended to give only approximations of the environmental conditions at the Project site.

## 1.2 Project Description

The Project would upgrade the intersections SR 1 at Cypress Avenue, California Avenue, and 16<sup>th</sup> Street with either roundabouts or traffic signals. The intersection of SR 1 and Etheldore Street/Vallemar, if needed, would be similarly improved. Traffic control/calming devices, high-visibility crosswalks, bus stop improvements, signage, and pavement markings would be added to ensure safe multi-modal operations along SR 1. Sidewalks or pathways would be added along the west side of SR 1 from Marine Boulevard to California Avenue, a separated bicycle/pedestrian trail would be added along the east side of SR 1 from Marine Boulevard to Etheldore Street, and Class II Bike Lanes would be implemented within this segment of SR 1.

This construction would improve traffic operations and safety for the Project segment of SR 1 and the key roadway intersections.

There are three Build Alternatives that are being considered in addition to the No Build Alternative. Each Build Alternative has variations that are also being studied.

All of the Build Alternatives would include:

- Class II bikeways on both sides of SR 1
- A Class I separated multimodal trail on the east side of SR 1
- New sidewalks and crosswalks
- Improvements to two SamTrans bus stops on SR 1

The Build Alternatives are as follows:

- **Alternative 1, Option A** proposes a roundabout at the Cypress Avenue/SR 1 intersection, a roundabout at the California Avenue/SR 1 intersection, and a signalized intersection at the 16th Street/SR 1 intersection with a raised concrete median between Cypress Avenue and California Avenue. This alternative comes with the possibility of realigning the 16th Street/SR 1 intersection.
- **Alternative 1, Option B** proposes the same features as Alternative 1 but without a raised median between Cypress Avenue and California Avenue. This alternative would preserve the median left turn lane that currently exists between Cypress Avenue and California Avenue and past California Avenue on SR 1.
- **Alternative 2** proposes a signalized intersection at the Cypress Avenue/SR 1, California Avenue/SR 1 and 16<sup>th</sup> Street/SR 1 intersections. This alternative also comes with the possibility of realigning the 16<sup>th</sup> Street/SR 1 intersection. This alternative would convert the median left turn lane between Cypress Avenue and California Avenue on SR 1 into a two-way left turn lane. This alternative would also replace the existing connection between SR 1 and Wienke Way with a Wienke Way Cul-de-Sac.

### 1.2.1 Purpose and Need

The purpose of this project is to improve multi-modal operations and safety along the project segment of SR 1 in each direction, with the following objectives:

- Improve operations and safety for all users at key intersections;
- Improve pedestrian and bicycle facilities;
- Encourage environmentally-friendly transportation options that reduce car trips, such as walking, biking and public transit; and
- Improve vehicular traffic and multimodal connections to coastal resources for both residents and visitors.

### Need

SR 1 in Moss Beach is a heavily-travelled State highway with a posted speed limit of 50 miles per hour. Several smaller roadways intersect with SR 1, serving local residents and providing access to housing, shopping, dining, beaches, other recreational facilities, and government services present on both sides of SR 1. Vehicles traveling at high rates of speed present challenging conditions for residents and visitors alike, and specifically to cross SR 1 to access goods, services, and recreational areas. Currently there is just one marked crosswalk of SR 1 within the project limits and there are no dedicated bikeways. The current pedestrian and bicycle conditions make it challenging for people to walk and bike safely.

Deficient pedestrian and bicycle facilities along the corridor, conflicting vehicular movements at minor intersections with SR 1, and congestion and delay at key intersections lead to safety concerns for all roadway users, and especially for pedestrians and bicyclist crossings of SR 1.

Cypress Avenue provides access to Fitzgerald Marine Reserve, Moss Beach Distillery, Pillar Point Bluff, and the approved Big Wave Development (which includes housing, office, and industrial land uses). California Avenue provides access to the central Moss Beach shopping district and the Post Office (where all residents and businesses get their mail since door-to-door postal delivery is not provided). The intersection of SR 1 and 16th Street is adjacent to the intersection of SR 1 and Carlos Street. There is a gravel path connecting Carlos Street to 16th Street, often used by people walking to access SR 1, bus stops, and community of Montara. The County has received a coastal development permit application for a new 71-unit affordable housing development, Cypress Point, which if constructed, will be accessed from Carlos Street near SR 1.

#### Vehicular Traffic

It is difficult for vehicles to enter or cross SR 1 from intersecting streets since traffic on SR 1 does not have to stop and travels at high rates of speed. There are no four-way stop-controlled intersections within the Project limits and the nearest stop-controlled intersections are 1.9 miles south (at SR 1/Capistrano Road) and 2.6 miles north (just before the Devil's Slide tunnel entrance).



Vehicles on intersecting streets typically wait for up to approximately 2 minutes to enter or cross SR 1 during the peak hours. This leads to long queues on intersecting streets and contributes to most crashes from vehicles entering SR 1 when they do not have the right of way.

### Transit

The San Mateo Transit District is the administrative body for the principal public transit and transportation programs in San Mateo County, including SamTrans bus service to the Coastsides. SamTrans Route 117 connects Pacifica with Half Moon Bay and has bus stops along SR 1 and on intersecting streets in the project area. There is a bus stop on Cypress Avenue 100 feet southwest of SR 1, and another on southbound SR 1 about 100 feet south of 16th Street. The buses have unpredictable travel times, in part due to the difficulty of turning left from Cypress Avenue onto SR 1 and the other difficulties described above.

### Pedestrians and Bicyclists

Pedestrians and bicyclists have difficulty safely crossing SR 1. There is only one marked pedestrian crossing within the Project limits, and it is at an uncontrolled intersection (meaning there are no lights, stop signs or a signal which would stop traffic for pedestrians or bicyclists to cross). SR 1 has no designated bicycle or pedestrian facilities and there are no parallel paths to support bicyclists or pedestrians in or near the Project limits.

## **1.2.2 Project Construction**

The following activities and components are anticipated as part of project construction. Construction would take approximately 24 months. The road work, bicycle lane, walking path and roundabouts would be done in stages, meaning only one side of the roadway would be constructed at a time, in order to minimize construction impacts and maintain traffic. Construction would likely require temporary shifting of lanes and may require short-term closure of SR 1.

### *Right-of-Way*

In the vicinity of the SR 1, the majority of project improvements could be constructed within State right-of-way; however, current ADA standards for curb ramps may require acquisition of small areas of private property. The project is anticipated to require temporary construction easements (TCEs) and may require utility easements.

### *Lighting and Aesthetics*

The project alternatives may add safety lighting along SR1 at the intersections of 16<sup>th</sup> Street, California Avenue, Vermont Avenue, and Cypress Avenue. Aesthetic treatments of the 16<sup>th</sup> Street barriers, retaining walls, landscaping, and hardscaping. Upgraded lighting would be developed in coordination with the County and Caltrans, and where possible, would adhere to the guidelines for development within the Coastal Zone.

### *Utilities*

Table 1 lists the utilities present within the Project limits.

**Table 1 Project site Utilities and Locations**

Utility Type	Location
Overhead joint utility poles with 12 kilovolt (kV) Pacific Gas and Electric (PG&E) electrical distribution, cable, and telephone lines	Along the SR-1
	Along 16 <sup>th</sup> Street
	Along California Street
Three 12kV PG&E overhead electrical distribution lines	Along SR-1
PG&E underground gas distribution lines	6-inch pipe with 10-inch casing along SR-1 and 16 <sup>th</sup> Street
Montara Water and Sanitary District sewer line	Along sides of SR-1

The project may require relocation of overhead utility poles located along the southbound lanes of SR1 and adjoining roadways. A utility encroachment policy variance from Caltrans is expected to be required to maintain the utilities in their current locations.

The proposed reconfiguration at 16<sup>th</sup> Street/SR 1 could impact the 6-inch gas line. Temporary relocation during stage construction or permanent relocation of the gas line would be considered.

Coordination with utility providers for any impacted utilities would be scheduled early in project development.

## 2. Property Description

### 2.1 Site Location

The Project site is along SR 1 (Cabrillo Highway) from south of Cypress Avenue (PM 34.8) to north of 16<sup>th</sup> Street (PM 35.9) in the unincorporated Moss Beach area. Intersections of concern are Cypress Avenue, California Avenue, and 16<sup>th</sup> Street as they cross/intersect SR 1. SR 1 ranges from approximately 200 to 2,000 feet from the Pacific Ocean along the Project length. No County Assessor's Parcel Number (APN) exists for the Project site because it consists of public roadways. **Figure 1** shows the general location of the Project site.

### 2.2 Site Description

The Project site includes the roadways of Cypress Avenue, California Avenue, 16<sup>th</sup> Street, Vallemar/Etheldore Street, and SR 1; and two bus pullout/bus stops along SR 1 and 100 feet southwest of SR 1. SR 1 intersects with several other roadways such as Virginia Avenue, however, these roadways are not the focus of future improvements and construction. Photographs of the site features are provided in **Appendix B**.

### 2.3 Adjacent and Surrounding Land Uses

Adjacent and surrounding land uses generally are residential with some commercial properties. The Project site and surrounding properties are show on **Figure 2**. The Project site is bordered by the following, as split by California Avenue:

- Northeast of Cabrillo Highway: Majority residential properties with a few commercial properties near the intersection of California Avenue and Cabrillo Highway. These commercial properties include: The Coastal Vine, Odyssey Pizzeria & Café, and HMB Pilates.
- Southeast of Cabrillo Highway: Majority residential properties with a few commercial properties, government facilities, and recreational properties. Non-residential properties include: the San Mateo Sheriff building (southeast corner of California Ave. and Cabrillo Hwy), Coastside Market (corner of Virginia Ave. and Cabrillo Hwy), Moss Beach Park (corner of Virginia Ave. and Etheldore St. approximately 300 feet from the Project site)
- Northwest of Cabrillo Highway: The coast borders a large portion of the western side of the Project site along with residential, recreational, and district properties. Non-residential properties include: the HI Point Montara Lighthouse Hostel (west end of 16<sup>th</sup> St. approximately 350 feet from the Project site), the Point Montara Lighthouse (west end of 16<sup>th</sup> St. approximately 450 feet from the Project site), the Montara Water & Sanitary District (888 Cabrillo Hwy), the Church of Jesus Christ of Latter-day Saints (northwest corner of California Ave. and Cabrillo Hwy), and Mavericks Coast Construction (2076 Vallemar Street approximately 100 feet from the Project site).
- Southwest of Cabrillo Highway: Majority residential properties with a few commercial properties. Non-residential properties include: El Gran Amigo Taqueria (northwest corner of Virginia Ave. and Cabrillo Hwy), Chevron Moss Beach (northwest corner of Lancaster Blvd. and Cabrillo Hwy), Cottage by the Sea Child Care (441 Virginia Ave. approximately 500 feet from the Project site).

The Project site is in a well-developed area with a long history of commercial properties, some of which have documented on-site chemical impacts from past site operations. Chapter 4.0, "Historical Documentation," and Chapter 5.0, "Environmental Records Research," discuss the specific sites that may pose environmental concerns for the Project.

## 2.4 Physical Setting

### 2.4.1 Topography

According to AECOM's review of the U.S. Geological Survey 7.5-minute series topographic maps for the Montara Mountain and Montara Mountain OE W map Quadrangles (USGS 2018), the elevation of the Project site is approximately 65 feet above mean sea level. The topography is variable with inclines in elevation from south to north and west to east. The topography of the Project site is consistent with regional topography. The general topographic gradient is southwest toward the coast of the Pacific Ocean.

### 2.4.2 Geology

**Subsurface.** The Project site is situated along the western margin of Northern California's Pacific coastline, to the west of the San Francisco Bay. The Regional geology in San Mateo County includes three complexly deformed Mesozoic rock complexes, the Coast Range ophiolite, the Franciscan, and the Salinian complexes. The Salinian complex underlies the County west of the Pilarcitos fault and is composed of granitic and inferred gabbroic plutonic rocks overlain by Cretaceous strata, that in places forms the Mesozoic bedrock (Brabb, Graymer, and Jones 1998). According to the EDR the local geology consists of a series of Cretaceous granitic rocks. Geologic sub-units locally consist of the following:

- Urban Land: Soils are clayey, have a high water table, or are shallow to an impervious layer with a very slow infiltration rate.
- Granitic rocks of Montara Mountain (Kgr): medium to coarsely crystalline foliated granitic rock, largely quartz diorite with some granite.
- Marine-terrace deposits, Undivided [(Pleistocene)(Qmt)]: Sand and gravel, deposited on uplifted marine-abrasion platforms along the coast. Local relative ages designated by numbers from youngest (Qmt3) to oldest (Qmt1).
- Colluvium [(Holocene)(Qcl)]: Varying proportions of loose to firm, friable, unsorted sand, silt, clay, rock debris, gravel, and organic material. Less permeable than younger deposits and can contain fresh mollusks and fossils of Pleistocene vertebrates.

**Surface.** The Natural Resources Conservation Service 2015 soil survey shows the Project site to be mapped as largely typic argiustolls, loamy-urban land association (moderately well drained) and rock outcrop-orthents complex (excessively drained). Towards the south end of the site near Half Moon Bay Airport, soils are mapped as largely Denison clay loam. Soils to the west are beaches abutted by water. The soils are classified as primarily sandy clay loam with a high water table and moderately well drained soils with very slow infiltration rates (USDA 2022).

**Naturally Occurring Asbestos.** California Department of Conservation mapping shows no areas of naturally occurring asbestos in the vicinity of the Project site (California Department of Conservation 2000).

### 2.4.3 Hydrology and Hydrogeology

**Surface water.** According to the CalWater Watershed Program, the Project site is in the Denniston Creek-Frontal Pacific Ocean watershed (180500060205). Moss Beach is located within the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) boundaries. The unincorporated Moss Beach area is only located within this watershed. To the north of Moss Beach is the San Pedro Creek-Frontal Pacific Ocean (180500060204) watershed and to the south are the Puirisima Creek-Frontal Pacific Ocean (180500060206) and Arroyo Leon (180500060201) watersheds.

**Groundwater.** The Project site lies in the Half Moon Bay Terrace groundwater basin (SMC Mateo 2022 and DWR 2022). Site-specific groundwater data was not available. Limited watershed groundwater data is available in the 2014 *San Francisco Bay Hydrologic Region Half Moon Bay Terrace Groundwater Basin Bulletin 118* by the California Department of Water Resources (DWR 2014). The Half Moon Bay Terrace

groundwater basin is composed of Holocene alluvium, Pleistocene marine terrace deposits, Pliocene Purisima formation, and Cretaceous Montara Mountain granitic rock. A database search revealed one potable water source well, Well ID CA4110028 (Pillar Ridge Mobile Home Park) within 1.0 mile of the Project site. The existing drainage system outfalls to the Pacific Ocean. According to a groundwater monitoring report for the nearby leaking underground cleanup site at 630 Kelmore Street, depth to groundwater was measured at 22 feet below ground surface in 2018, and the flow direction was listed as to the southwest (GPP 2019).

#### 2.4.4 Wells

**Water.** The EDR Radius Map Report identifies thirty-one groundwater monitoring wells within 1 mile of the Project site (**Appendix C**). These wells do not appear to be associated with the Moss Beach Improvement Project. Three groundwater monitoring wells were identified in the EDR Radius Map Report within 1/8 mile of the Project site.

**Oil and gas.** According to the California Division of Oil, Gas, and Geothermal Resources website, no exploratory wells have been mapped on or within 1 mile of the Project site (DOGGR 2022).

#### 2.4.5 Federal Emergency Management Agency Flood Zone Information

According to Federal Emergency Management Agency information (Map Panel 06081C0117F) in the EDR Radius Map Report, small sections of the northern and southern portions of the Project site (near 16<sup>th</sup> Street and Marine Boulevard/San Vicente Creek respectively) are in a 100 and/or 500-year flood zone (**Appendix C**).

#### 2.4.6 Wetlands

Small amounts of wetlands were identified in or adjacent to the Project site. According to the EDR Radius Map Report, some wetlands are mapped within the Project site, primarily located at the northern (near 16<sup>th</sup> Street) and southern (near Marine Boulevard) tips of the Project site (**Appendix C**). San Vicente Creek is located just south of Marine Boulevard, crossing Etheldore Street, SR 1, California Avenue, Virginia Avenue, and several local roadways from east to west until terminating in the Pacific Ocean. In addition, Denniston Creek crosses SR 1 between Virginia Avenue and California Avenue. Montara Creek crosses SR 1 just north of 16<sup>th</sup> Street.

### 2.5 Radon

According to USEPA, San Mateo County is in Radon Zone 2, indicating that the average predicted indoor screening level for radon is greater than 2.0 picoCuries per liter (pCi/L), and less than 4.0 pCi/L of air. USEPA's Recommended Action Level for radon in residential dwellings is 4.0 pCi/L. USEPA has not designated a Recommended Action Level for radon in commercial or industrial buildings. The EDR Radius Map Report (**Appendix C**) identified 16 radon tests conducted in San Mateo County postal code 94038, and zero of the laboratory results from the tests were above 4.0 pCi/L. Because the Project site is in Zone 2, radon is not considered to be a significant concern. No additional radon evaluation has been conducted.

### 3. Historical Documentation

#### 3.1 Records Reviewed

AECOM reviewed the following historical documents, provided by EDR, to assess the history of the previous uses or occupancies of the Project site and surrounding area. The EDR historical documentation includes aerial photographs, topographic maps, building permit reports, city directory abstracts, and Sanborn® fire insurance maps. Copies of these documents are provided in **Appendix D**.

- Aerial photographs dated 1943, 1946, 1956, 1963, 1968, 1974, 1983, 1993, 1998, 2006, 2009, 2012, 2016, and 2020. The aerial photographs are of varying scale, sizes, and clarity.
- Topographic maps dated 2012, 2015, and 2018. The topographic maps have varying scales.
- Abstracts of information from various city directories, dating from 1970 through 2020, in approximately 3- to 5-year intervals.
- Sanborn® fire insurance maps – No available Sanborn Maps for the Project site or surrounding area.

#### 3.2 History of the Project site and Surrounding Areas

**City Directories.** The Project site was not listed in any of the directories searched, because the Project site is a transportation corridor and not a parcel of land. Surrounding properties listed in the city directories included El Gran Amigo Taqueria, Moss Beach Chevron & Mini Market, Beach Cleaner, and Montara Water & Sanitary District.

**Table 2** summarizes the observations made during AECOM's review of the aerial photographs, topographic maps, and Sanborn® maps provided by EDR.

**Table 2 Historical Use of the Project site and Adjacent Properties**

Date	Type of Document	Description	Level of Concern
1940s-1960	Aerial photographs, and topographic maps	<p><b>Project site:</b> Multiple unattached dirt or minorly developed roads run north to south along the coast in the path of the Project site. Land along the Project site is largely undeveloped with some agricultural and residential properties.</p> <p><b>Adjacent Properties:</b> Agricultural field and/or cleared land is depicted to the north, east, and west of the Project site. Small amounts of residential development are depicted to the west, southwest, and northeast of the Project site by 1943. Increased development along the Project site length occurs from the mid-1940s to late 1950s, increasing the amount of residential development abutting the Project site. Half Moon Bay Airport is visible in 1943. Properties on the northern tip of the Project site are more heavily developed by 1956 and appear to be potentially industrial or governmental in nature. The full road of the Project site is paved and connected by 1956.</p>	Low  Low-moderate
1960s-1980	Aerial photographs, and topographic maps	<p><b>Project site:</b> Project site is fully paved and connected with similar amount of development as seen in the late 1950s until the mid-1970s in which more residential developments have appeared.</p> <p><b>Adjacent Properties:</b> The 1960 are largely consistent with the development seen in 1956. Additional residential development can be seen on all sides of the Project site in the 1970s with the largest densities being to the northeast and west. The facility to the east on the northern tip of the Project site appears to be demolished by 1974 with only foundation remaining. The Church on California Ave. appears in 1974. The Moss Beach Chevron properties appears in 1963.</p>	Low-moderate  Moderate-High
1980s-2000	Aerial photographs, and topographic maps	<p><b>Project site:</b> Project site appears to be of the same construction as seen in 1974 with no major construction or changes. Additional residential and commercial properties are developed along the Project site.</p> <p><b>Adjacent Properties:</b> The adjacent properties are similar to the 1970s with increased residential development to the north and filling out the remaining western land between the Project site and the coast. The Beach Cleaner property appears developed in 1983. The Church on California Ave. appears to have an additional building or a continuation of the previous facility by 1983. Almost all land surrounding the Project site is developed (majority residential) by 1993.</p>	Low-moderate  Moderate-High

Date	Type of Document	Description	Level of Concern
2000s-2020	Aerial photographs, and topographic maps	<b>Project site:</b> Project site appears to be of the same construction as seen previously. <b>Adjacent Properties:</b> Development appears to be like the 1990s photographs. Some of the developments on the west side of the north tip of the Project site appear to be demolished by 2009. With the exception of small residential development (single homes) the land development appears to be largely consistent with that seen in the 1990s until 2020.	Low Moderate-high

Source: Data compiled by AECOM in April 2023



## 4. Environmental Records Research

### 4.1 EDR Search Results

EDR was retained to provide the radius environmental database report for this ISA (**Appendix C**). The radius environmental database in the EDR report, dated March 23, 2023, presents the results of a search for properties within a 1-mile radius of the Project site (the study area) that are listed on federal, state, and/or local environmental databases, as well as EDR proprietary databases. The results of the database search include the following:

- Addresses of known UST/aboveground storage tank (AST) sites;
- Hazardous waste generation, treatment, storage, and/or disposal facilities; and
- Subsurface contamination known to be present in the study area.

The goal of reviewing the database report was to identify facilities with known and documented environmental concerns that may negatively affect the proposed project construction.

The EDR report identified a total of 91 cases within the study area. Locations of the properties are shown on the map in the EDR Radius Report (**Appendix C**). Note that many properties may be occupied by multiple facilities or have changes in ownership or listing name for the same property. In addition, some properties are listed in multiple databases.

**Table 3** summarizes the types of cases listed on federal, state, and/or local databases as presented in the EDR Radius Report.

#### 4.1.1 Screening Criteria

The following screening criteria were used to identify which of the cases listed in the EDR report should be further evaluated based on their potential to have impacted the subsurface below the Project site:

- The facility is either:
  - within the Project site; or
  - upgradient of, and within a distance of 1/8 of a mile from, the Project site; and
    - The facility is listed on one of the databases of reported hazardous materials releases (Federal NPL, Federal CORRACTS, Federal CERCLIS, State CORTESE, State leaking underground storage tank (LUST), State SLIC, RESPONSE, EnviroStor, etc.); or
    - The facility is listed as a Resource Conservation and Recovery Act (RCRA) large-quantity hazardous waste generator (LQG), a CERCLIS site, a UST operator, an AST operator, a SWEEPS site, a dry cleaner facility, or a CCSF Business Industry database site with an underground tank storing a significant volume of hazardous materials; or
    - The facility is listed as a solid waste landfill (not including transfer stations).

**Table 3 Regulatory Data Base Results within 1 Mile of the Project site**

Agency Database	Cases Identified
SEMS-Archive – Sites with no further interest under the Federal Superfund Program based on available information.	0
CERCLIS NFRAP – Sites which have been removed and archived from the inventory of CERCLIS sites.	0
RCRA-LQG –Federal list of sites which generate, transport, treat and/or dispose of large quantities of hazardous waste. A Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG) generates over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.	0
RCRA-SQG – Federal list of sites which generate, transport, treat and/or dispose of small quantities of hazardous waste. A Small Quantity Generator (SQG) generates between 100 kg and 1,000 kg of hazardous waste per month.	2
CA RESPONSE – Identifies confirmed release sites where DTSC is involved in remediation. These sites are generally high-priority and high potential risk.	0
CA ENVIROSTOR – DTSC's site Mitigation and Brownfields Reuse Program's database.	1
CA SWF/LF – The Solid Waste Facilities/Landfill Sites database contains a listing of solid waste disposal sites in California.	0
CA LUST – State Leaking Underground Storage Tank (LUST) List.	14
CA SLIC – A State Water Resource Control Board source. Includes Spills, Leaks, Investigations and Clean-ups.	2
CA UST – State source of Underground Storage Tank listing containing registered USTs regulated under RCRA's Subtitle I.	1
CA AST – State source of Aboveground Storage Tank location listing.	2
CA VCP – State listing of low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC oversee investigation and/or cleanup activities	0
CA SWRCY – State Landfill/Solid Waste Disposal Inventory of recycling facilities in California.	0
CA HIST Cal-Sites – Contains both known and potential hazardous substance sites in California. No longer updated, replaced ENVIROSTOR.	0
CA SWEEPS UST – Statewide Environmental Evaluation and Planning System Underground storage tank listing updated by early 1980s. No longer updated or maintained.	3
CA HIST UST – State Historical UST Registered Database.	1
CA FID UST – Facility Inventory Database containing a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board.	0
CA DEED – State listing of the use of recorded land use restrictions.	0
RCRA-NonGen/NLR – RCRA-Non-Generators. Non-Generators do not presently generate hazardous waste	14
FUDS – Formerly Used Defense Sites	1
US MINES – Mines master Index Files	0
CA Cortese – State list designated by LUST, SWF/LS, and Cal-Sites.	7
San Mateo Co. BI List by Hazardous Materials Business Plan, Hazardous Waste Generator, USTs	32
CA Drycleaners – State listing of drycleaner related facility that have EPA ID numbers.	0
CA HIST CORTESE- Hazardous Waste and Substances Sites List and include sites from LUST, SWF/LS and Cal-Sites. This database is no longer updated by the state agency.	2
CA HWP – State listing with information on permitted hazardous waste facilities and corrective action tracked in EnviroStor.	0
CA Notify 65. Proposition 65 Records. This database contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.	0

Agency Database	Cases Identified
EDR MGP – The EDR Manufactured Gas Plant Database includes records of coal gas plants.	0
EDR US Hist Auto Stat list – This list includes potential gas station/filling station/service station sites	2
EDR US Hist Cleaners – This list includes potential dry cleaner sites which included but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash and dry, etc.	1
CA RGA LUST – Recovered Government Archive Leaking LUST sites.	0
SEMS-Archive – Sites with no further interest under the Federal Superfund Program based on available information.	0

#### 4.1.2 Screening Results

### 4.2 Project site

The Project site as a transportation corridor and is not listed in the EDR report or EnviroStor.

### 4.3 Surrounding Properties

Seven facilities in the study area met the above screening criteria. Listings for all these facilities can be found in the EDR report (**Appendix C**). The seven cases listed are either open cases or have been closed or not assessed; however, there is a potential for the contaminants released to affect the Project site on several of these facilities. These listings were determined to be potential areas of environmental concern. Details of these sites are described below and in **Table 4**.

- Half Moon Bay Airport** – 9850 North Hwy. 1, Moss Beach, Ca 94038 is listed as AST, CERS HAZ Waste, CERS Tanks, and CERS. This facility is listed as having an AST on-site, handles hazardous waste and is a generator, and stores chemicals of concern, petroleum products, and aviation fuel. The facility has been cited for multiple CERS violations historically and appears to be compliant as of 2022. This facility is located approximately 100 feet to the south of the Project site. However, the tank storage and main facility is located 5,000 feet the south and is cross gradient from the Project site. Therefore, this facility is not considered a REC, any residual impacts would not affect the Project site during construction or redevelopment activities along Highway 1.
- KN Stations LLC DBA Moss Beach Chevron** – 9400 Cabrillo Hwy, Moss Beach, Ca 94038 is listed as RCRA NonGen/NLR, LUST, Cortese, San Mateo Co. BI, CERS Haz Waste, CERS Tanks, EMI, HAZNET, CERS, HWTS, UST, and EDR HIST Automotive. This facility has been a gas station since at least 1976 according to case files. A release was reported in 1986 for gasoline that may have affected the aquifer used for drinking water supply. Case # 230016 was closed in 2014. Another release was reported in 2005 for potential chemicals of concern, methyl tert-butyl ether, tertiary butyl alcohol, and other fuel oxygenates. This case #230038 was closed in 2012. The facility received a No Further Action Letter in July of 2013. This facility is considered a REC due the potential for residual impacted soil, soil vapor, and groundwater to be encountered during construction and redevelopment activities along Highway 1.
- Beach Cleaners** – 2385 Carlos Street, Moss Beach, Ca 94038 is listed as a EDR HIST Cleaner. The only information given in the EDR report is the cleaners is listed from 1994 until 1997. No additional information is available. This facility may have been an active dry cleaner for four years or it may have been a drop-off only facility and the clothes were dry cleaned at another facility. Due to the unknown factors of the dry cleaner operations, the facility is considered a potential REC. Historically dry cleaning operations used chlorinated solvents and other chemicals of concern that may have been released to the environment.
- Point Montara Fire Protection** – 501 Stetson Street, Moss Beach, Ca. 94038 listed as Hist UST, RCRA-NonGen/NLR, San Mateo Co. BI, and CERS. This facility has two former USTs, one – 550-gallon gasoline, and one-unknown volume fuel tank. There is no information available to the removal or closure of these USTs. Due to no known soil and groundwater investigation and upgradient

location from the Project site this facility is considered a REC as residual impact may volatilize during construction and redevelopment along Highway 1.

- **Dan's Place** – 818 Etheldore, Moss Beach, Ca. 94038 is listed as a HIST Cortese and San Mateo Co Bl. The facility is listed as in the underground storage tank program. No information is given to number of tanks, size, or removal/closure. A portion of this property potentially had been an auto body shop, and gas station in the 1940s to 1950s and may have been attached to Dan's Italian Restaurant. Due to lack of information about USTs, soil and groundwater investigation, and removal or closure this facility is considered a REC. Residual impact may volatilize during construction and redevelopment along Highway 1.
- **Jim Mannon Private Residence** – 619 Stetson Street, Moss Beach, Ca. 94038 is listed as a LUST, Cortese, and San Mateo Co Bl. One 500-gallon heating oil UST was removed from the property in November 2002. A release was reported a 2003 Case # 018041, soil and groundwater impacted by TPH-d and free-phase hydrocarbons. In 2009, a passive skimmer was installed in MW#1 to facilitate product removal. The case is still open and awaiting further remediation efforts. This property is considered a REC due to the active case status and proximity (250 ft.) to the Project site. Residual impact may volatilize during construction and redevelopment along Highway 1.

#### 4.4 Orphan Sites

Orphan sites are those that lack specific addresses or have limited geographical information that prevents identifying their locations. Three orphan sites were identified in the EDR Radius Map Report (**Appendix C**). Two of these sites were observed during the site reconnaissance (described below) and one poses an environmental risk in connection with the Project site.

- **Caltrans** – 8450 Cabrillo Hwy, Moss Beach, Ca. 94038 is listed as LUST, HAZNET, HWTS, and San Mateo Co Bl. Caltrans discovered an UST adjacent to 8450 Cabrillo Highway (Ca Hwy 1) than may have been associated with an historic railroad depot in the early 20<sup>th</sup> Century, product was observed during excavation. The LUST cased was closed in 2007. Due to the distance, greater than 5,000 feet to the north of the Project site boundary and is cross gradient this impacted area is not considered a REC.
- **Montara Lighthouse** – Coast Highway, Moss Beach, Ca is listed as LUST. The lighthouse adjoins the northern end of the proposed project property. Due to no additional information on the removal or closure of UST and any soil or groundwater investigation this facility is considered a REC. Residual impact may volatilize during construction and redevelopment along Highway 1.

#### 4.5 Vapor Encroachment

The ASTM Standard E 1527-13 states that "for the purposes of this practice, 'migrate' and 'migration' refer to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." Therefore, this section assesses the potential environmental risk of vapor migration by identifying off-site properties within 30 and 100 feet of the Project site that have documented volatile petroleum hydrocarbon contamination or chlorinated volatile organic compound (VOC) contamination, respectively.

The EDR VEC App™ identified five nearby sites that could contribute to vapor encroachment issues for the Project site.

- Moss Beach Chevron/KN Stations – 9400 Cabrillo Hwy – Active and Historical Gas Station – located adjacent to the Project site at the southwest corner of Vermont Avenue and Cabrillo Hwy. This facility has documented chlorinated VOC and petroleum hydrocarbon contamination. While both LUST cases are closed, there is a potential for residual constituents to volatilize during soil excavation.
- Dan's Place/Joseph T Guntren – 818 Etheldore Street – Historical Gas Station – located to the northeast of the Project site at the southwest corner of Etheldore Street and Virginia Avenue. This facility is reported to have been an autobody shop and gas station sometime in the 1940s to

1950s (Morrall, 2005). The facility is also listed under the San Mateo Co. BI underground tank program indicating a UST has been present on site historically. UST removal records were not found, and the site has not been evaluated. Therefore, there is a potential for residual volatile petroleum hydrocarbon contamination and/or chlorinated VOC contamination.

- Beach Cleaner/Martin & Elizabeth Falvey/Joy of Being – 2385 Carlos Street– Historical Cleaner - located to the northeast of the Project site at the north corner of California Avenue and Carlos Street. This facility is documented as a cleaner from at least 1994 to 1997 indicating the facility has likely used chlorinated VOCs historically and there is a potential for residual constituents to volatilize during soil excavation.

All of the facilities have the potential to have VOCs and/or chlorinated solvents present in soil and groundwater. One historic cleaner and one historic gas station have not been assessed and therefore have no documented contamination.

#### 4.6 Regulatory Agency Records

AECOM contacted appropriate regulatory agencies to conduct file reviews or interviews for information regarding environmental permits, USTs, environmental violations, or incidents, and/or the status of enforcement actions at the Project site, using the location on online mapping software. A listing of the various public agencies contacted, and a summary of the relevant findings, is presented in the following subsections.

**Table 4 Historical REC Sites Within 1/8 Mile of the Site**

Figure #	EDR No. 1	Source of Information	Owner or Occupant/Site Listing (present and past)	Address	Description	Distance from Project site	Database Listings
1	A1-A2	EDR Report GeoTracker	Half Moon Bay Airport	9850 N HWY	Property is listed as having an AST on site and is considered a hazardous waste generator and chemical storage facility. Property has multiple CERS violations historically, appears to be complying as of 2022. No additional information is available for this property.	0 to 1/8 mile	AST CERS CERS TANKS CERS HAZ WASTE
2	B3-B5, B7-B12, E24-25	EDR Report GeoTracker	KN Stations LLC DBA Moss Beach Chevron NK Property II - MTBE Release Moss Beach Chevron Food Mart Moss Beach Chevron KN Properties KN Property II (9500) Nerhan Keet	9400 Cabrillo HWY (Current) 9500 Cabrillo Hwy	Listed Hist Auto: 1992-2014; currently an active gas station LUST Cleanup Site – 2 LUST Cases Historically Completed Case Closed- 12/04/2012 Loc Case#: 230038 Potential Media Affected: Aquifer used for drinking water supply Potential COCs: MTBE/TBA/Other Fuel Oxygenates Case was opened in 2005. Completed Case Closed- 10/07/2014 Loc Case#: 230016 Potential Media Affected: Aquifer used for drinking water supply Potential COCs: Gasoline Case was opened in 1986. LUST case file indicates site was a gas station prior to 1976.	0 to 1/8 mile	RCRA NonGen/NLR Cortese LUST San Mateo Co. BI EDR Hist Auto HWTS CERS HAZNET EMI CERS TANKS CERS HAZ WASTE UST Hist Cortese SWEEPS UST
3	C13-C15	EDR Report GeoTracker	Beach Cleaner Martin and Elizabeth Falvey Joy of Being	2385 Carlos Street	DRYCLEANERS - Listed 1994 to 1997. Appears to have become a massage parlor. No additional information is available for this property.	0 to 1/8 mile	San Mateo Co. BI EDR Hist Cleaner

Figure #	EDR No. 1	Source of Information	Owner or Occupant/Site Listing (present and past)	Address	Description	Distance from Project site	Database Listings
4	G32-G36	EDR Report GeoTracker	Point Montara Fire Protection Fuel Oil Systems Coastside Fire District, El Granada Station 44	501 Stetson Street	HIST UST - Two historic tanks on site (1988) including: 1 - 550 Premium Gasoline; 1 - Unknown volume and fuel tank. CERS chemical storage facility. Multiple CERS violations, in compliance by 2021. No information related to tank removal.	0 to 1/8 mile	HIST UST RCRA NonGen/NLR San Mateo Co. BI CERS
5	H37-H38	EDR Report GeoTracker	Dans Place Joseph T Guntren	818 Etheldore	San Mateo Co. BI - Listed in underground tank program. No information related to an UST or AST available in EDR. Portion of property potentially had been an autobody and gas pumping station in the 1940s-50s attached or adjacent to Dan's Place Italian Restaurant. No records indicating a UST or UST removal.	0 to 1/8 mile	HIST CORTESE San Mateo Co. BI
6	I40-I41	EDR Report GeoTracker	Jim Mannon Private Residence	619 Stetson Street	LUST Cleanup Site – Open Remediation Case - 01/02/2007 Loc Case#: 018041 Potential Media Affected: Under investigation. Potential risk to groundwater. Potential COCs: Heating Oil/Fuel Oil Case was opened in 2002. Site RP unresponsive to LOP requesting groundwater monitoring and remediation efforts.	0 to 1/8 mile	San Mateo Co. BI LUST Cortese
7	Orphan Site	EDR Report	Montara Lighthouse	8800 Ca HWY 1	No information is available pertaining to the UST removal or closure and any soil or groundwater investigation.	0 to 1/8 mile	LUST

#### 4.6.1 City or County Agencies

**San Mateo County Public Records Request:** On April 17, 2023, a request for information was submitted online; on April 17, 2023, the department indicated there were no records for the Project site and surrounding area. Records are available by APN number only; no documents were found for the Project site.

#### 4.6.2 State Agencies

**State Water Resources Control Board:** AECOM accessed the State Water Board's GeoTracker database (State Water Board 2022) to review any files maintained for the Project site. No files were found due to the site not being comprised of one or more adjacent/connected APNs.

**California Department of Toxic Substances Control:** AECOM accessed the EnviroStor database (DTSC 2018) to review any files maintained for the Project site. No files were found.

**California Office of Emergency Services Spills Database:** AECOM accessed the Spill Release Archive (OES 2022) to review any files maintained for the Project site. No files pertaining to the Project site were found within the Moss Beach zip codes.

#### 4.6.3 Federal Agencies

**USEPA:** AECOM searched USEPA's ECHO database (USEPA 2022), which consists of the USEPA compliance history at a site. One file pertaining to Caltrans District 4 (Route 1 PM 4.2) was found but is listed as within compliance.

### 4.7 Other Environmental Concerns

The Project site and surrounding area has the potential for presence of the following environmental issues that are of concern to Caltrans but are not considered RECs under ASTM Standard E 1527-13.

**ADL from Highway Corridors:** The SR 1 corridor was constructed before the phase-out of lead in gasoline by the mid-1980s. Shallow soils within approximately 30 feet of the edge of pavement in highway corridors have the potential to be contaminated with ADL from historical vehicle emissions prior to the elimination of lead in gasoline (DTSC 2016). Project construction activities that disturb exposed shallow soils could encounter ADL contamination.

**Pesticides from Historical Agriculture:** Aerial photographs from 1943 to present appear to show agricultural uses in the area surrounding SR 1, much but not all of which were replaced by development by 1974 (**Appendix D**). Prior to 1950, inorganic pesticides that contained elevated concentrations of metals, such as arsenic, were commonly used in California agriculture. After 1950, organochlorine pesticides were commonly used in California agriculture until about the mid-1970s. Arsenic from inorganic pesticides and residues from OCPs used in the past have the potential to persist for many decades in shallow soils and can affect human health and the environment (DTSC 2008). As a result, shallow soils that could be disturbed during construction may be contaminated with arsenic and/or organochlorine pesticides.

**Soil Contamination from Railroad Corridor:** Topographic mapping does not indicate railroad tracks near the site; however, the Ocean Shore Railroad was present prior to the first available topographic map for the site. The Ocean Shore Railroad, was a standard gauge railway that operated from 1905 until approximately 1921 and was largely paved and turned into Highway 1 (Bevk 2017). The most commonly reported soil contamination along railroad corridors are metals and petroleum products from railroad operations. For example, elevated concentrations of arsenic are common in shallow soils from historical applications of inorganic herbicides and leaching from chemically-preserved railroad ties and/or arsenic-laced slag used as ballast material. Other sources of contaminants associated with historical railroad operations may include coal ash from engines and polynuclear aromatic hydrocarbons from diesel exhaust (Rails-to-Trails Conservancy 2004). Project construction activities along the former rail alignment could potentially encounter undocumented soil contamination from historical railroad operations.



**Hazardous Building Materials:** Hazardous building materials may also be encountered during project construction. The disturbance of hazardous building materials during project construction could pose a health risk to construction workers and the public if not handled and disposed of properly. As described below, the existing roadway and retaining wall structures located within the Project site may contain hazardous building materials.

- **Lead-based Paint and Asbestos-Containing Materials.** Asbestos-containing materials may be present in structures constructed prior to 1981. Any bridge, wall, commercial building, or industrial building, regardless of construction date, could have surfaces that have been coated with lead-based paint. Demolition or modification of a bridge, wall, or building structures during construction of the project could pose a risk of releasing lead particles and asbestos fibers into the environment (if present).
- **Yellow Traffic Striping and Pavement Markers.** Prior to 1997, Caltrans used lead-based paint for yellow traffic stripe and pavement markings along roadways. The residue that may be produced from the yellow thermoplastic and yellow paint during road improvement activities may contain lead. Modification of the roadways with yellow traffic stripe and pavement markings during construction of the project could pose a risk of releasing lead particles into the environment (if present).
- **Asphalt and Portland-Cement Concrete.** Grindings of asphalt concrete and Portland-cement concrete have a relatively high pH and may contain metals and petroleum hydrocarbons that can impact stormwater runoff and threaten surface water bodies. Generation of asphalt concrete and Portland-cement concrete grindings during project construction could pose a risk of releasing metals and petroleum hydrocarbons into the environment.

#### 4.8 Prior Assessments

The Project site was not listed in any of the environmental regulatory database searches conducted for this report. No other environmental reports or documents were located by, or provided to, AECOM during this ISA.

## 5. Site Reconnaissance and Interviews

The Project site and surrounding area reconnaissance was conducted on Monday, March 27, 2023, by Agatha Kim of AECOM's Oakland office. The weather was clear, with an ambient temperature of 51 degrees Fahrenheit.

### 5.1 Interviews

The AAI User questionnaire was not completed at the time of this Phase 1 ISA. Although this omission is considered a data gap, it is not expected to affect AECOM's conclusions. Caltrans, as the property owner of the State Highway System will complete all necessary questionnaires.

### 5.2 Site Features

The Project site is primarily a stretch of SR 1 that intersects a series of roadways and includes part of a bus route. The roads of focus in the Project site are SR 1, Cypress Avenue, California Avenue, and 16th Street. Additionally, the intersection of SR 1 and Etheldore Street/Vallemar Street may also be improved.

During the site visit, SR 1 between Sixteenth Street north of Moss Beach and Marine Boulevard/Pine Street to the south were driven to identify the general make-up of the Project site and to identify any potential properties of concern. The Project site consist of a two-lane highway with black asphalt road material, white lines along the shoulder, and double yellow lines down the middle of road. The shoulders consist of dirt, grass, shrubs, and trees.

Adjoining the roadway are residences, commercial businesses, a gas station, Sheriff's office, market, restaurants, wastewater treatment plant, lighthouse, and open fields. A frontage road runs along each side of Highway 1. It is Carlos Street along the east side and Vallemar Street along the west side of the highway.

The Montara Water and Sanitary District wastewater treatment plant and Vallemar Lift Station adjoins the northwest side of the proposed project property. A pad-mounted transformer was observed at the lift station. No signs of spills or releases were observed. Also, what appears to be a back-up generator was observed at the Lift Station with two vents on top. The generator may have an AST to hold fuel to power the generator. No spills or releases were observed under or around the back-up generator.

### 5.3 Utilities

Utilities appear to be constructed overhead along the roadways. Stormwater drains were observed, as well as many municipal water, sewer, and stormwater access ports along each roadway.

### 5.4 Storage Structures and Pipelines

No evidence of USTs (e.g., vent pipes or fill ports) or other underground containment structures, sumps, surface tanks, ponds, or basins were observed at the Project site at the time of the site reconnaissance. USTs and underground containment structures were observed on the adjacent gas station property and on the Montara Water & Sanitary District property (**Appendix B**).

### 5.5 Hazardous Materials

No hazardous materials were observed on the Project site.

### 5.6 Contamination

Discarded solid waste, such as food wrappers, cardboard, and bottles, were observed along the roadways at the Project site. No oil sheens, odors, or vegetation damage was observed.

### 5.7 Hazardous Waste

No hazardous waste was observed on the Project site.

## 5.8 Polychlorinated Biphenyl-Containing Equipment

No polychlorinated biphenyl-containing equipment was observed on the Project site; however, several utility poles with pole-mounted transformers were visible from SR 1 and adjacent local roadways and a pad-mounted transformer was present near the Vallemar Lift Station. The transformer is the property of PG&E.

## 5.9 Wastewater/Stormwater

No wastewater was observed on the Project site. The Montara Water and Sanitary District is present adjacent to SR 1 on the northern portion of the Project site.

Stormwater flows off the roadway as sheet runoff into culverts or drainage features along the roadway.

## 5.10 Wells

No irrigation, domestic supply wells, or monitoring wells were observed on the Project site.

# 6. Conclusions and Recommendations

AECOM performed this ISA at the Project site in accordance with ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2021). Any exceptions to or deletions from this practice are described in Chapter 1.0, "Introduction."

Based on the previous industrial and commercial activities in the Project site's surrounding areas, one REC was identified in connection with the Project site:

- **Impacts from Former Surrounding Site Operations:** After a review of the historical sources, the Project site and surrounding area has operated as commercial and residential area since the mid-1950s with few industrial facilities. The commercial activities in this area included automotive repair, gas stations, fire station, automotive body shops, and a dry cleaner. The former presence of these activities with documented on-site impacts from past and present operations in the Project site's area, combined with the lack of information on cleanup activities or spills at the nearby facilities, is considered a REC.
- **Areas that need to be assessed prior to conducting construction activities:**
  - Moss Beach Chevron/KN Stations – 9400 Cabrillo Hwy – Active and Historical Gas Station – located adjacent to the Project site at the southwest corner of Vermont Avenue and Cabrillo Hwy. This facility has documented chlorinated VOC and petroleum hydrocarbon contamination. While both LUST cases are closed, there is a potential for residual constituents to volatilize during soil excavation.
  - Beach Cleaner/Martin & Elizabeth Falvey/Joy of Being – 2385 Carlos Street– Historical Cleaner - located to the northeast of the Project site at the north corner of California Avenue and Carlos Street. This facility is documented as a cleaner from at least 1994 to 1997 indicating the facility may have handled chlorinated solvents. These chlorinated solvents result in a potential for residual constituents to volatilize during soil excavation.
  - Point Montara Fire Protection/Fuel Oil Systems – 501 Stetson Street – Historical UST – located to the east of the Project site at the intersection of Kelmore and Stetson Street. This facility is documented to have had at least two USTs on site historically. At least one tank contained gasoline. There are no records of a tank removal indicating there is potential for residual constituents to volatilize during soil excavation.
  - Dan's Place/Joseph T Guntren – 818 Etheldore Street – Historical Gas Station – located to the northeast of the Project site at the southwest corner of Etheldore Street and Virginia

Avenue. This facility is reported to have been an autobody shop and gas station sometime in the 1940s to 1950s. The facility is also listed under the San Mateo Co. BI underground tank program indicating a UST has been present on site historically. UST removal records were not found, and the site has not been evaluated. Therefore, there is a potential for residual volatile petroleum hydrocarbon contamination and/or chlorinated VOC contamination.

- Jim Mannon/Private Residence – 619 Stetson Street – Open LUST Cleanup Site – located to the east of the Project site near the intersection of Stetson and Admiral Street. This site is an open LUST cleanup case with potential heating oil/fuel oil contamination to an undetermined number of media. The case was opened in 2002 and has been stalled due to the responsible party being unresponsive to requests for groundwater monitoring and remediation efforts. The site therefore has not been fully evaluated and there is the potential for volatile petroleum hydrocarbon constituents to volatilize during soil excavation.
- Montara Lighthouse (Orphan Site) – Coast Highway, Moss Beach, Ca is listed as LUST. The lighthouse adjoins the northern end of the proposed project property. Due to no additional information on the removal or closure of UST and any soil or groundwater investigation this facility is considered a REC. Residual impact may volatilize during construction and redevelopment along Highway 1.
- Along the roadway to establish aerially deposited lead concentrations and pesticides from weed control.

In addition, the Project site and surrounding area have the potential for presence of the following environmental issues that are of concern to Caltrans but are not considered RECs under ASTM Standard E 1527-21:

- Aerially-deposited lead (ADL) from highway corridors;
- Pesticides from historical agriculture;
- Soil contamination from railroad corridors; and
- Hazardous building materials.

Based on the findings of this ISA, AECOM recommends conducting a Preliminary Site Investigation of the Project site in the areas of potential impact from nearby RECs prior to construction to evaluate potential contaminants of concern in soil, groundwater, and building materials.

## 6.1 Waste Disposal/Soil Reuse

Regulatory criteria to classify a waste as “California Hazardous” for handling and disposal purposes are contained in the California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 11, Article 3, subsection 66261.24. Federal criteria to classify a waste as “RCRA Hazardous Waste” are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261. For a waste containing lead, the waste is classified as California Hazardous when:

- The total lead content exceeds the Total Threshold Limits Concentration (1,000 milligrams per kilogram [mg/kg]).
- The soluble lead content exceeds the Soluble Threshold Limits Concentrations (5.0 milligrams per liter [mg/L]) based on the standard California Waste Extraction Test (CA-WET).

Based on the proposed roadway work, AECOM concludes that all soil excavated within the Project site limits will require characterization before reuse and/or disposal. Soils with concentrations of total lead not exceeding 320 mg/kg and extractable lead less than 5 mg/L, as determined by the CA-WET, may be removed from the Project site without disposal in a landfill. AECOM recommends that any soil designated

for removal from the Project site be sampled and analyzed; and if the resulting lead concentrations exceed 320 mg/kg, and/or extractable lead is greater than 5 mg/L as determined by the CA-WET, then it is to be handled pursuant to the hazardous waste management standards of Health and Safety Code, Chapter 6.5 (Section 25100, et. seq.), and regulations adopted thereunder.

If dewatering activities are required during the proposed structure work, AECOM concludes that the groundwater will require characterization before it is discharged into the stormwater or sanitary sewer and/or disposed of at an off-site water treatment plant.

## 6.2 Health and Safety Requirements

AECOM recommends that the contractor conduct all grading operations in accordance with applicable California Occupational Safety and Health Administration (Cal-OSHA) requirements, including a project-specific worker Health and Safety Plan developed using the following guidance to minimize worker exposure to VOC, semi-volatile organic compound, and lead-impacted air, dust, or soil:


- Before the start of excavation activities, a "competent person" in accordance with 29 CFR Section 1926.650 (a person who has the knowledge and training to identify hazards and the authority to correct the hazards) will assess the toxicological (health) hazards associated with exposure to organic and inorganic chemicals and metals during the project. Chemicals that may be encountered are described in the sections above.
- CCR, Title 8, Subchapter 7. General Industry Safety Orders, Group 16. Control of Hazardous Substances, Article 107. Dusts, Fumes, Mists, Vapors and Gases.
- Cal-OSHA standards addressing this issue under General Industry (29 CFR 1910) (1910.1025 – Lead).
- Caltrans requirements for a project-specific Lead Compliance Plan (CCR Title 8, Section 1532.1, the "Lead in Construction Standard").

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in 40 CFR Section 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Project site.

Signature: Wanda L. Farmer  
Wanda L. Farmer, REM – Environmental Scientist  
Assessor

We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature: Frank Gegunde  
Frank Gegunde, P.G.  
Reviewer



## 7. References

- ASTM (American Society for Materials Testing). railroad2021. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. E 1527-21.
- Bevk, Alexandra. 2017. Department of Parks and Recreation Form 523A: Primary Record for P-41-002555, 380 Esplanade Avenue. April 30, 2017.
- California Department of Conservation. 2000. A General Location Guide for Ultramafic Rocks in California - Areas More Likely to Contain Naturally Occurring Asbestos. California Department of Conservation Division of Mines and Geology Open-File Report 2000-19. Compiled By Ronald K. Churchill and Robert L. Hill. August 2000. Available upon request from <https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/asbestos>.
- Caltrans (California Department of Transportation). 2021. Standard Environmental Reference. Volume 1, Chapter 10: Hazardous Materials, Hazardous Waste, and Contamination. Available online: <https://dot.ca.gov/programs/environmental-analysis/standard-environmental-reference-ser/volume-1-guidance-for-compliance/ch-10-hazardous-materials-hazardous-waste-contamination>. Accessed June 2022.
- County of San Mateo. 2022. San Mateo County Hazards: Earthquake Liquefaction & Shaking. Earthquake Liquefaction & Shaking Maps. Available online: <https://www.smcgov.org/media/73081/download?inline=>.
- DOGGR (California Department of Oil, Gas, and Geothermal Resources). 2022. *DOGGR Database*. Available online: <http://www.conservation.ca.gov/dog/Pages/Wellfinder.aspx>. Accessed April, 2023.
- DTSC (California Department of Toxic Substances Control). 2008. Interim Guidance for Sampling Agricultural Properties (Third Revision). <https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/Ag-Guidance-Rev-3-August-7-2008-2.pdf>.
- DTSC (California Department of Toxic Substances Control). 2016. Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils; Health and Safety Code Section 25187(b)(5). Available online: <http://www.dot.ca.gov/env/hazwaste/docs/dtsc-ct-adlfinal-063016.pdf>. Accessed April 14, 2022.
- DTSC (California Department of Toxic Substances Control). 2018. *EnviroStor Database*. Available online: <http://www.envirostor.dtsc.ca.gov>. Accessed April 14, 2022.
- DWR (Department of Water Resources). 2014. *San Francisco Bay Hydrologic Region Half Moon Bay Terrace Groundwater Basin Bulletin 118 by the California Department of Water Resources*. Available online: [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/2\\_022\\_HalfMoonBayTerrace.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/2_022_HalfMoonBayTerrace.pdf). Accessed April 2023.
- DWR (Department of Water Resources). 2022. Groundwater sustainability agencies (GSAs) Map viewer, Available online: <https://sgma.water.ca.gov/webgis/index.jsp?appid=gasmaster&rz=true>.
- Groundwater Protection Program (GPP). 2019. *San Mateo County Groundwater Protection Program Case Closure Memorandum SMCo LUST Case #18050/RO #227*. August.
- Rails-to-Trails Conservancy. 2004. Understanding Environmental Contaminants; Lessons Learned and Guidance to Keep your Rail-Trail Project on Track. Available Online: <https://www.railstotrails.org/resourcehandler.ashx?name=understanding-environmental-contaminants-lessons-learned-and-guidance-to-keep-your-rail-trail-project-on-track&id=3762&fileName=EPARreport.pdf>. September 24, 2004.

SMC (County of San Mateo Office of Sustainability). 2022. Groundwater Map Viewer. Available online at: <https://www.smcsustainability.org/water/groundwater/>

SFPUC (San Francisco Public Utilities Commission). 2021. *2020 Annual Groundwater Monitoring Report Westside Basin San Francisco and San Mateo Counties, Ca by San Francisco Public Utilities Commission* (South San Francisco District). April. COVER SHEET (sfpuc.org).

State Water Board (State Water Resources Control Board). 2018. *GeoTracker Database*. Available online: <https://geotracker.waterboards.ca.gov/>. Accessed April, 2023.

USDA (U.S. Department of Agriculture). 2022. *Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey*. Available online. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. Accessed April, 2023.

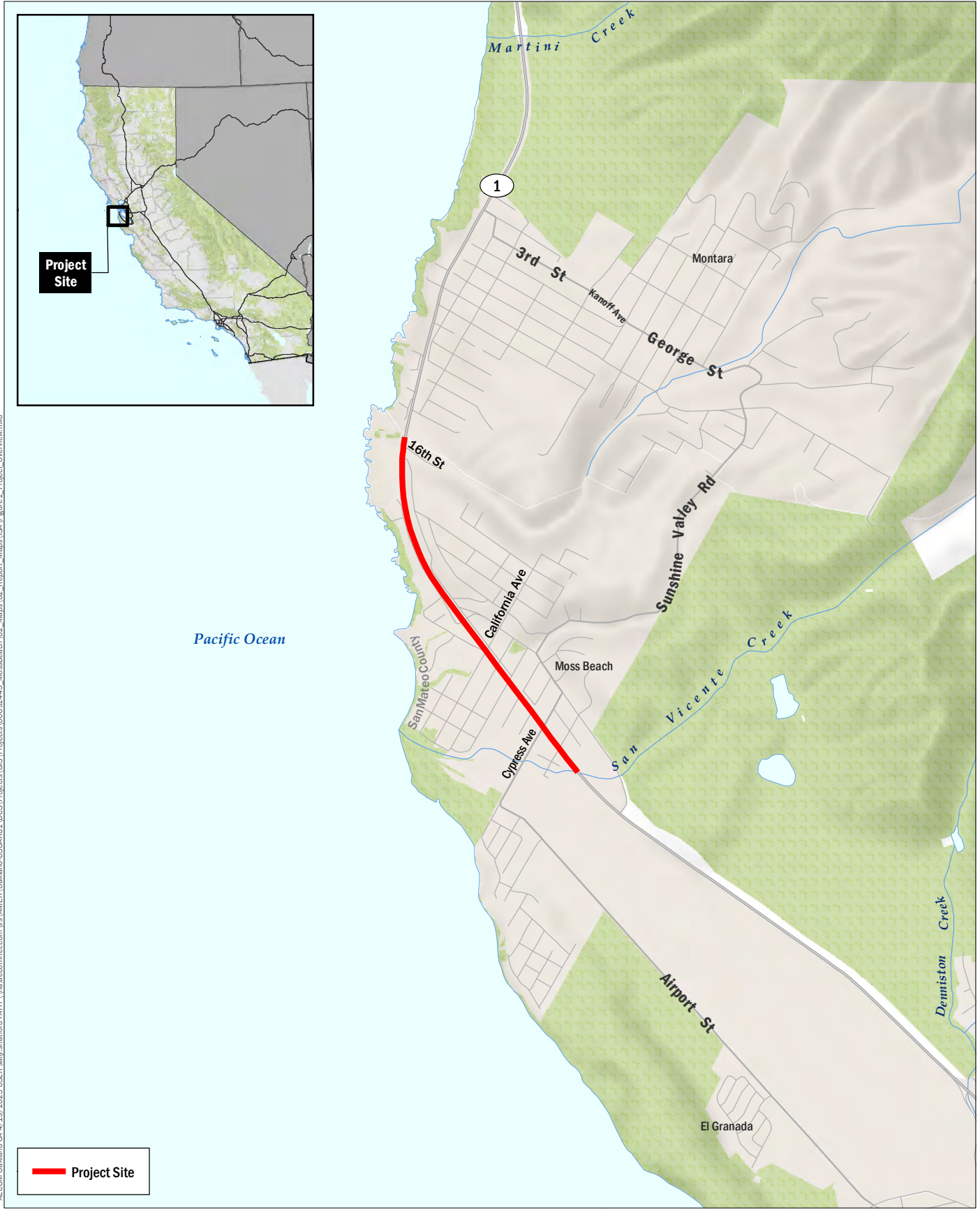
USEPA (United States Environmental Protection Agency) 2022 My Waterway Webpage, Available online: <https://mywaterway.epa.gov/community/moss%20beach/overview>.

USGS (U.S. Geological Survey). 2018. 7.5-minute Series Topographic Maps for the Montara Mountain OE W and Montara Mountain, California Quadrangles.

USGS (U.S. Geological Survey). 2014 Offshore and Onshore Geology and Geomorphology, Offshore of Pacifica Map Area, California. Scale: 1:24,000, California: Derived from the Digital Database open-file Report 2014-1260, sheet 10, H. Gary Greene, Stephen R. Hartwell, Michael W. Manson, Samuel Y. Johnson, Bryan E. Dieter, Eleyne L. Phillips, and Janet T. Watt, 2014.

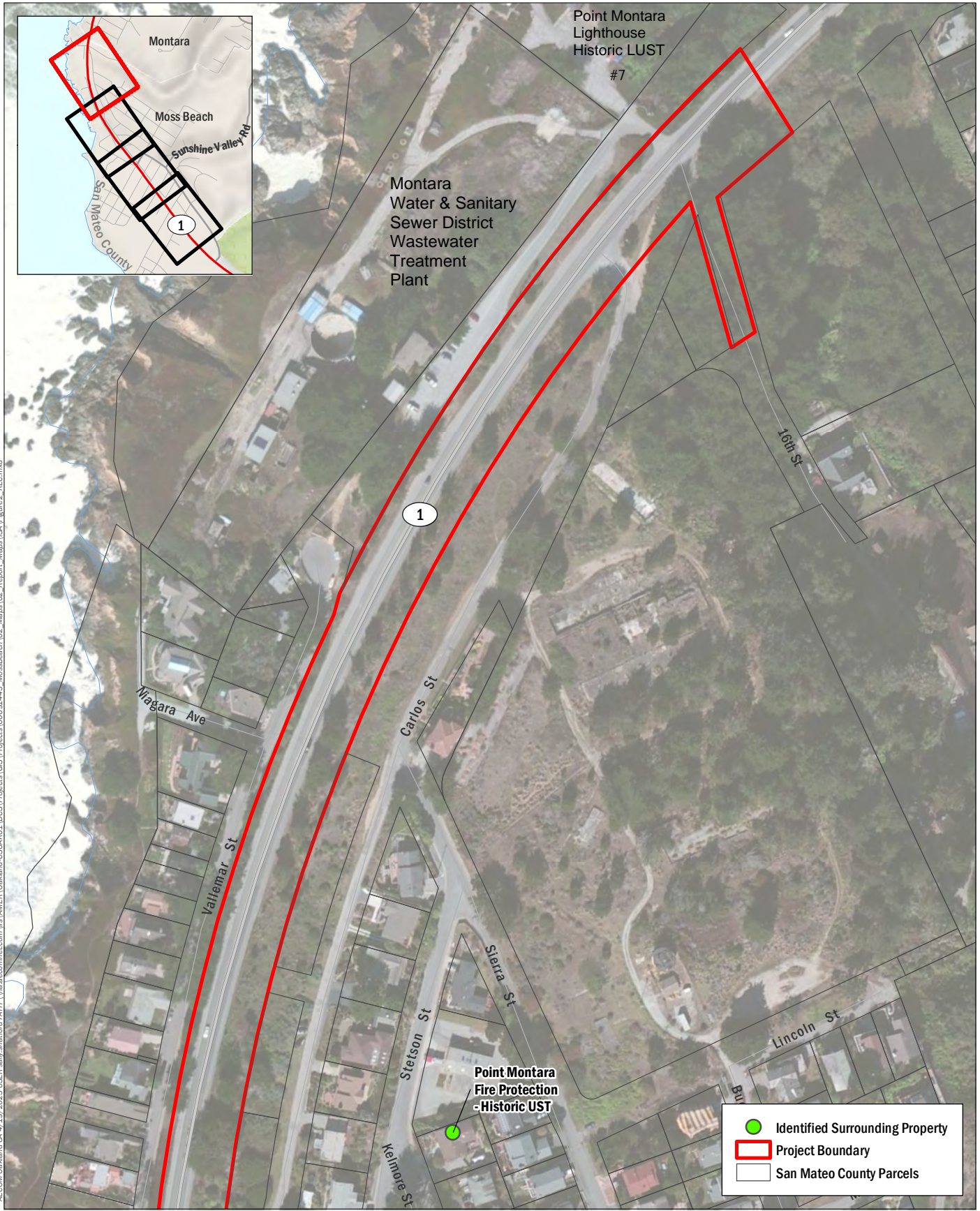


## Figures

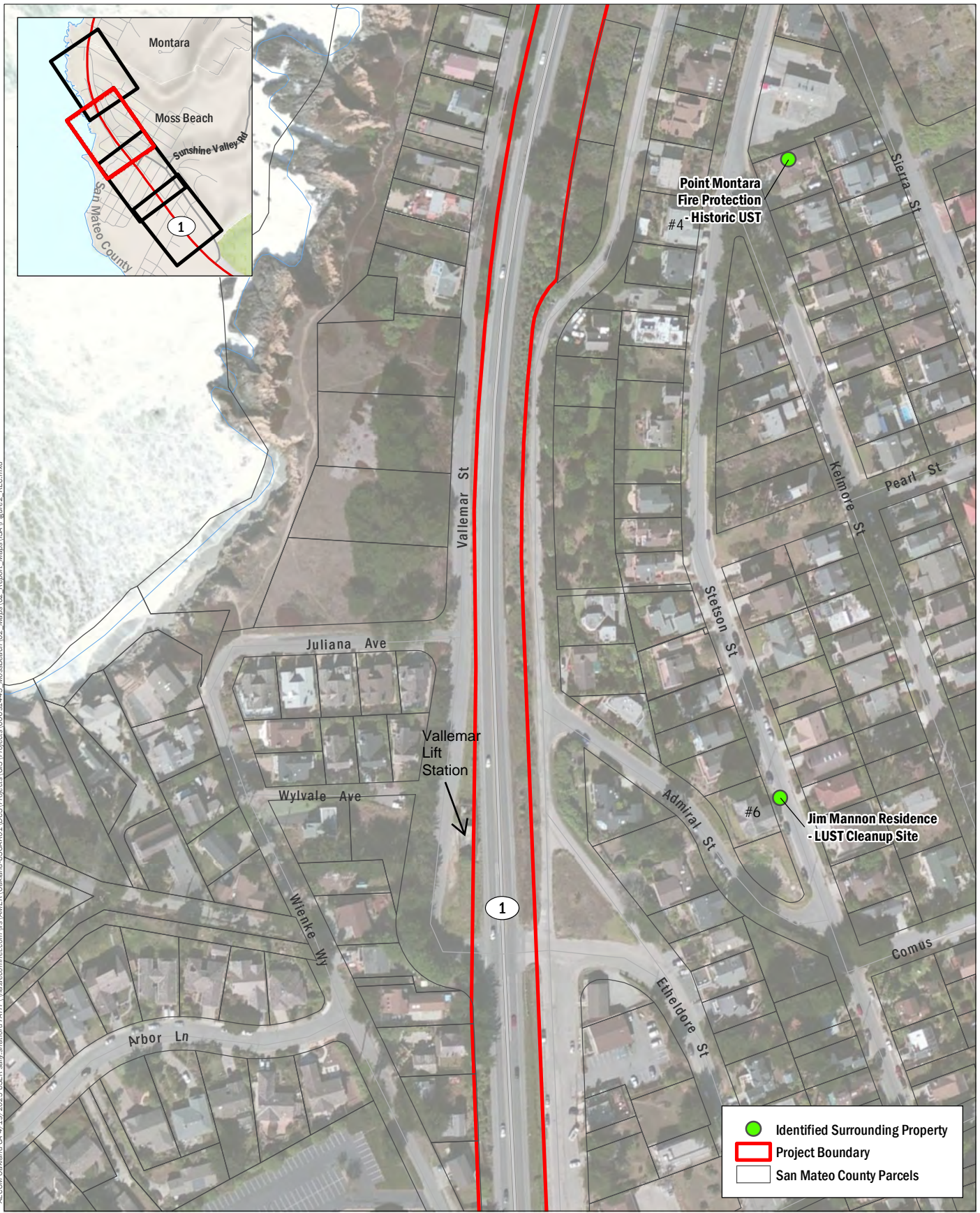


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Source: AECOM, 2023; CPAD, 2022; OSM, 2022



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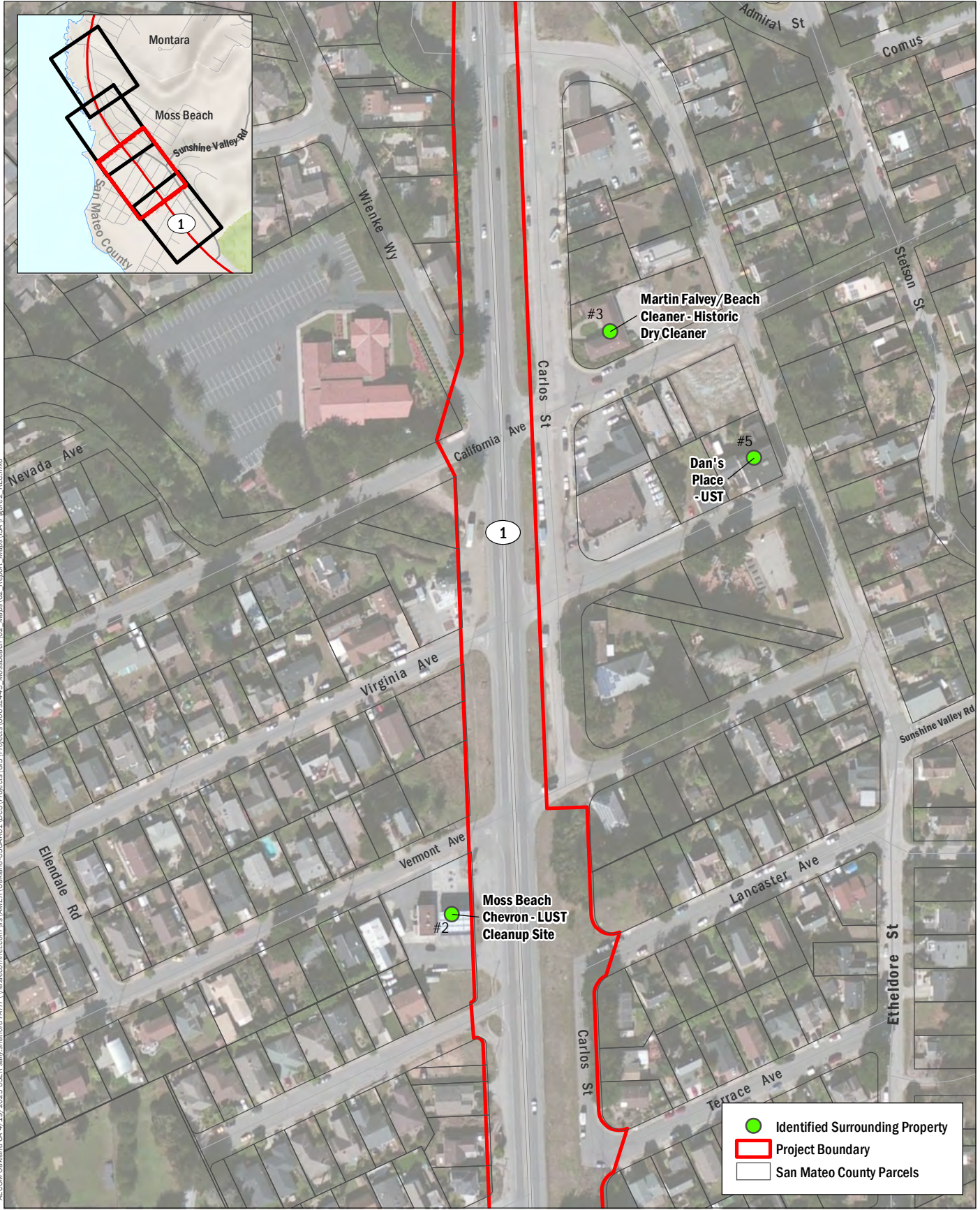


- Identified Surrounding Property
- Project Boundary
- San Mateo County Parcels

AECOM Oakland CA 4/19/2023 USER sully.sharford PATH \\va.aecomnet.com\fs\AECOM\Oakland\USOAH01\DCS\Projects\GIS\Projects\6068445\_MossBeach\02\_Maps\02\_Maps\USA\_Figure2\_REC.mxd



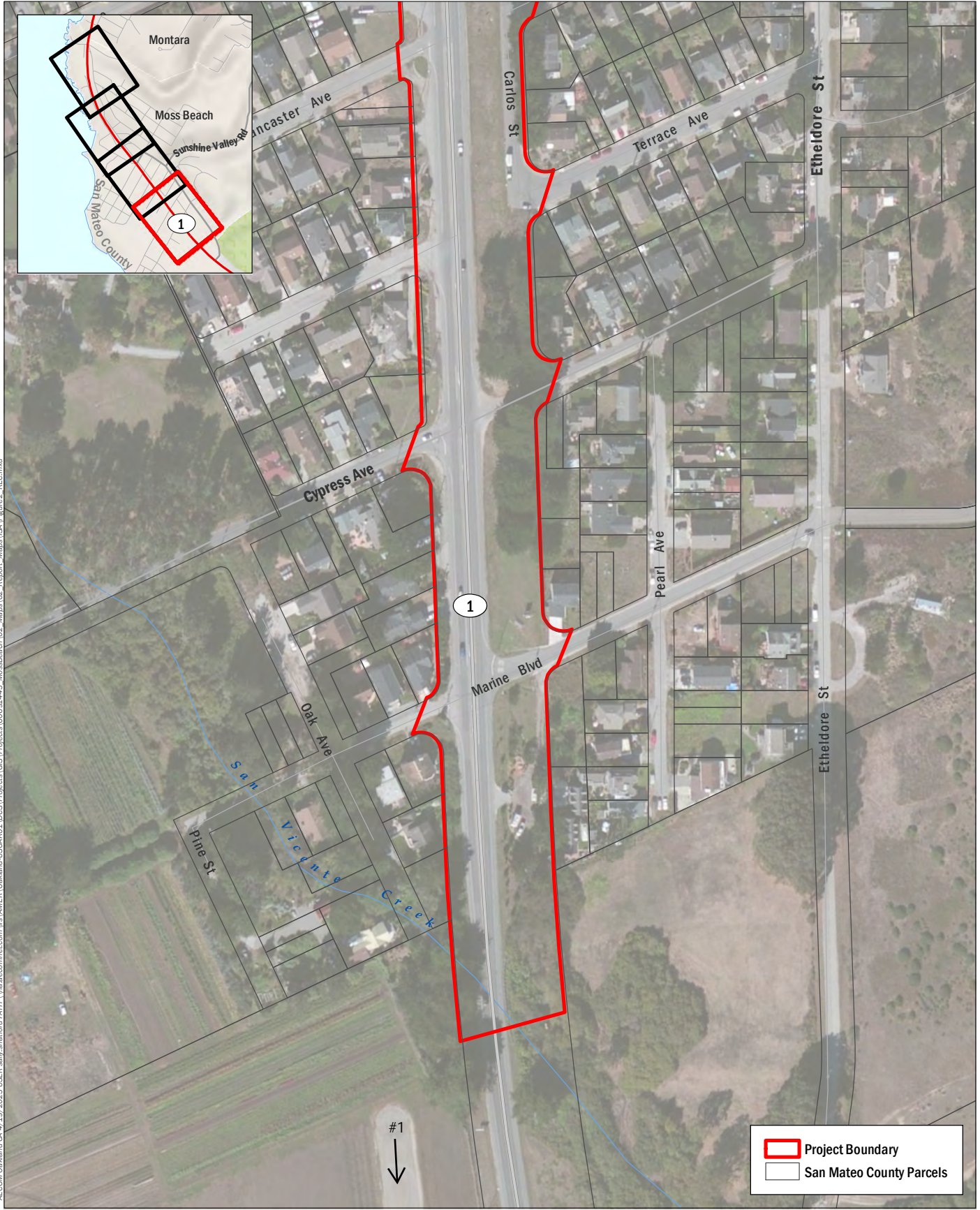
Source: AECOM, 2023; Caltrans, 2023; San Mateo County, 2023; CPAD, 2022; OSM, 2022



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Source: AECOM, 2023; Caltrans, 2023; San Mateo County, 2023; CPAD, 2022; OSM, 2022

## **Appendix A Project site Supporting Documentation**

## Initial Site Assessment (ISA) Checklist (continued)

CONTAMINATION: (spills, leaks, illegal dumping, etcetera)

Surface staining Minor surface staining along roadway Oil sheen No oily sheen observed during assessment

Odors No odors present Vegetation damage No observed vegetation damage

Other Visible adjoining gas station

HAZARDOUS MATERIALS: (asbestos, lead, etcetera)

Buildings Noted adjacent to the project site Spray-on fireproofing No noted spray-on fireproofing

Pipe wrap No noted pipe wrap Friable tile No noted friable tile

Acoustical plaster adjoining blds may have acoustical plaster Serpentine None noted

Paint Adjoining buildings with possible LBP Other \_\_\_\_\_

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites.

6. Other comments and/or observations: Alignment is along roadway with painted yellow lines, possible aerially deposited lead, and pesticides.

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### ISA Determination

Does the project have potential hazardous waste involvement? Yes If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? No If "YES," explain; then give an estimate of additional time required: \_\_\_\_\_

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A brief memorandum should be prepared to transmit the ISA conclusions to the Project Manager and Project Engineer.

**ISA Conducted by** Wanda L Farmer **Date** May 24, 2023

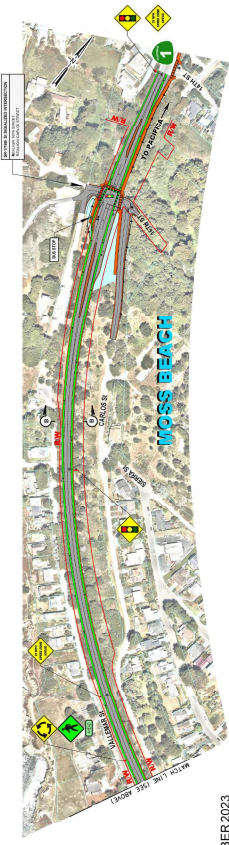
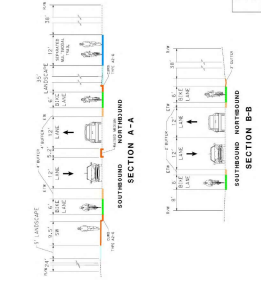
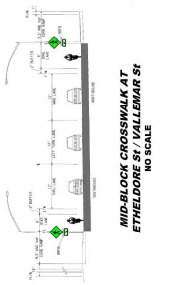


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# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-07780, SR-1, PM 34.8/35.9

## ALTERNATIVE 1 - ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION A - RAISED MEDIAN



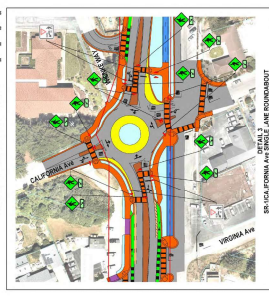
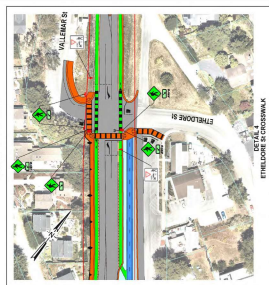
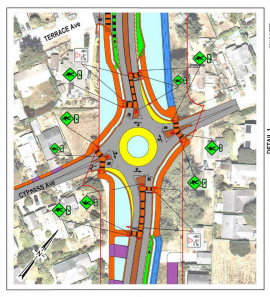
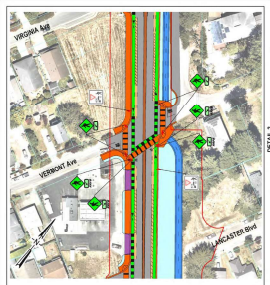
- LEGEND:**
- PROPOSED ROADWAY
  - PROPOSED CLASS 1 SIDEWALK
  - PROPOSED CLASS 2 SEPARATED MULTIPURPOSE TRAIL
  - PROPOSED TRUCK ACCOMMODATION
  - PROPOSED DRIVEWAY
  - PROPOSED DRIVEWAY MEDIAN
  - PROPOSED BUS STOP
  - PROPOSED FILTER
  - PROPOSED BUFFER
  - PROPOSED LANDSCAPING
  - EXISTING AVENUE

**NOTE:**  
1. FOR DESIGN VARIATIONS, AT 16TH STREET SEE SHEET 3



NOVEMBER 2023  
**PRELIMINARY**  
CONSTRUCTION DOCUMENTS

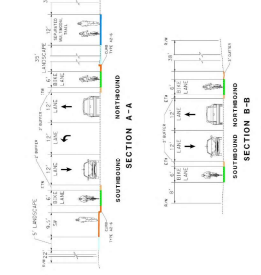
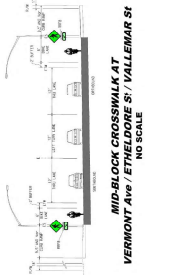
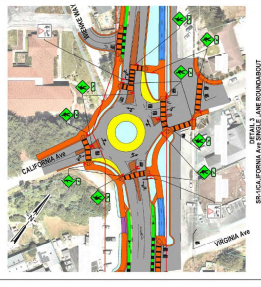
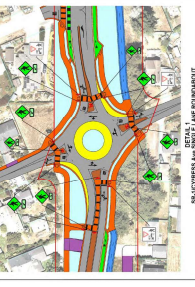
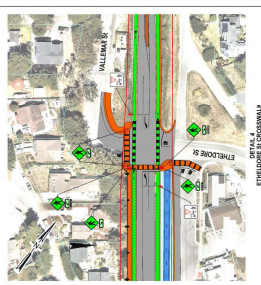
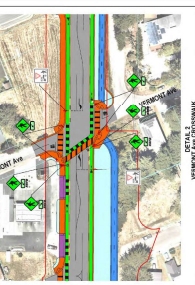
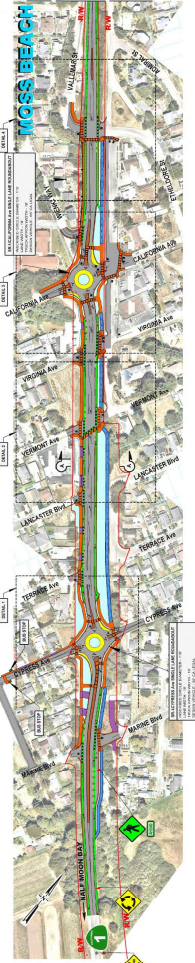
**EXHIBIT 1**



# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-0Y780, SR-1, PM 34.8/35.3

## BUILD ALTERNATIVE 1- ROUNDABOUTS AT CYPRESS AND CALIFORNIA AVE AND SIGNAL AT 16TH STREET OPTION B - NO RAISED MEDIAN



- LEGEND:**
- PROPOSED BULKHEAD
  - PROPOSED BUFFERED CLASS II BIKE LANE
  - PROPOSED BUFFERED CLASS III BIKE LANE
  - PROPOSED BUFFERED CLASS IV BIKE LANE
  - PROPOSED BUFFERED CLASS V BIKE LANE
  - PROPOSED TRUCK SHOULDER
  - PROPOSED SHOULDER
  - PROPOSED SHOULDER MEDIAN
  - PROPOSED BIKE SHOULDER
  - PROPOSED BIKE SHELTER
  - PROPOSED BIKEWAY
  - EXISTING BIKEWAY
  - EXISTING BIKE LANE

**NOTE:**  
1. SEE REGION MAPSHEET AT 16TH STREET FOR EXHIBIT 1.

AECOM

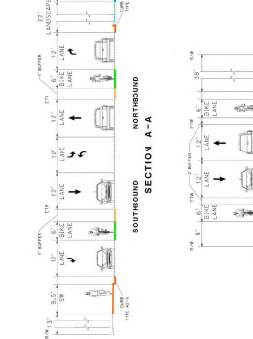
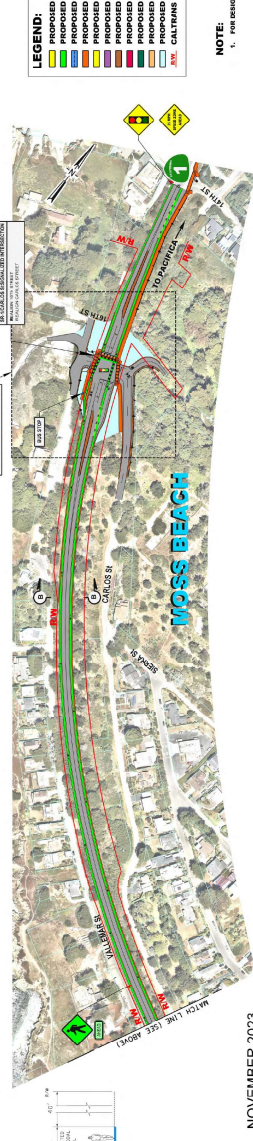
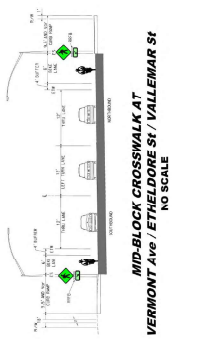
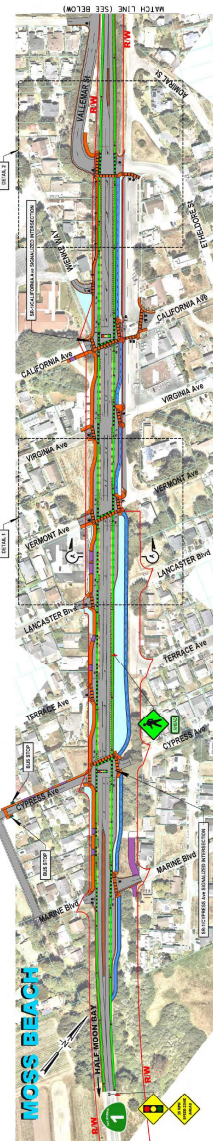
EXHIBIT 2

NOVEMBER 2023  
PRELIMINARY  
FOR DISCUSSION PURPOSES ONLY

# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

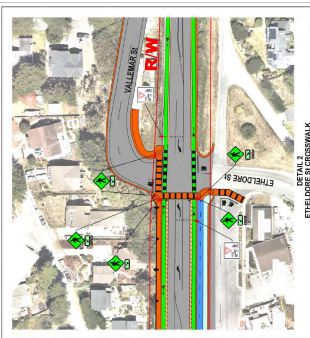
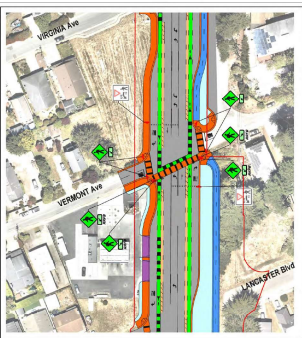
## EA 04-0Y780, SR-1, PM 34.8/35.9

### BUILD ALTERNATIVE 2- SIGNALS AT CYPRESS AVE, CALIFORNIA AVE AND 16TH STREET



- LEGEND:**
- PROPOSED ROADWAY CLASS II BIKE LANE
  - PROPOSED CLASS I SEPARATED MULTIMODAL TRAIL
  - PROPOSED SIDEWALK/CURB/CROSSWALK
  - PROPOSED DRIVEWAY
  - PROPOSED SHOULDER/MEDIAN
  - PROPOSED BUS SHELTER
  - PROPOSED BUFFER
  - PROPOSED LANDSCAPING
  - CULTURAL FINDING

**NOTE:**  
1. FOR DESIGN VARIATION AT 16TH STREET SEE EXHIBIT 1



## **Appendix B Representative Site Photographs**

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445

<p><b>Photo No.</b> 1</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Photo Direction:</b> East</p>		
<p><b>Description:</b> Vallemar Lift Station Vallemar Street adjacent to Cabrillo Highway near the Cabrillo Highway and Vallemar Street intersection.</p>		

<p><b>Photo No.</b> 2</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Photo Direction:</b> East</p>		
<p><b>Description:</b> Vallemar Lift Station Back-up Generator Vallemar Street adjacent to Cabrillo Highway near the Cabrillo Highway and Vallemar Street intersection.</p>		

<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.:</b> 60691445
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<b>Photo No.:</b> 3	<b>Date:</b> 3/27/23
<b>Photo Direction:</b> East	
<b>Description:</b> Pad-mounted transformer at Lift Station Vallemar Street adjacent to Cabrillo Highway near the Cabrillo Highway and Vallemar Street intersection.	



<b>Photo No.:</b> 4	<b>Date:</b> 3/27/23
<b>Photo Direction:</b> Southeast	
<b>Description:</b> Vallemar Lift Station near the Cabrillo Highway and Vallemar Street intersection. Inside of structures not visible from road.	



<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 5	<b>Date:</b> 3/27/23
<b>Photo Direction:</b> Northeast	
<b>Description:</b> Fencing and signage surrounding Vallemar Lift Station on Vallemar Street near the Cabrillo Highway and Vallemar Street intersection.	




<b>Photo No.</b> 6	<b>Date:</b> 3/27/23
<b>Photo Direction:</b> Northeast	
<b>Description:</b> Underground vault top in the gated Vallemar Lift Station on Vallemar Street near the Cabrillo Highway and Vallemar Street intersection.	





<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.:</b> 60691445
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<b>Photo No.:</b> 7	<b>Date:</b> 3/27/23	
<b>Photo Direction:</b> North		
<b>Description:</b> Front view of the green buildings/structures in the Vallemar Lift Station on Vallemar Street near the Cabrillo Highway and Vallemar Street intersection. Appears to contain potentially control panels or equipment.		

<b>Photo No.:</b> 8	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Plan		
<b>Description:</b> Sewer manhole cover at the north corner in the Vallemar Lift Station.		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445

**Photo No.**  
9

**Date:**  
3/27/23

**Direction Photo Taken:** North

**Description:**  
Northbound view of Vallemar Street across from the Vallemar Lift Station.



**Photo No.**  
10

**Date:**  
3/27/23

**Direction Photo Taken:** South

**Description:**  
Southbound view of Vallemar Street across from the Vallemar Lift Station.



**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445

**Photo No.**  
11

**Date:**  
3/27/23

**Direction Photo Taken:** East

**Description:**  
The Vallemar Lift Station north side gate entrance.



**Photo No.**  
12

**Date:**  
3/27/23

**Direction Photo Taken:** South-southwest

**Description:**  
El Gran Amigo Taqueria front elevation from Cabrillo Highway.



<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 13	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> North		
<b>Description:</b> Cabrillo Highway from El Gran Amigo Taqueria pull-in/parking lot.		

<b>Photo No.</b> 14	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Plan		
<b>Description:</b> Utility Box cover in El Gran Amigo Taqueria pull-in/parking area.		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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<b>Photo No.</b> 15	<b>Date:</b> 3/27/23
<b>Direction Photo Taken:</b> Plan	
<b>Description:</b> Sewer cover behind El Gran Amigo Taqueria.	



<b>Photo No.</b> 16	<b>Date:</b> 3/27/23
<b>Direction Photo Taken:</b> Southeast	
<b>Description:</b> Covered sitting area behind El Gran Amigo Taqueria sign from the Cabrillo Highway side of the building.	





<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 17	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Northeast		
<b>Description:</b> Intersection of Cabrillo Highway and Virginia Avenue from the corner of the El Gran Amigo Taqueria lot.		
<b>Photo No.</b> 18	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> South		
<b>Description:</b> Moss Beach Chevron from the intersection of Vermont Avenue and Cabrillo Highway.		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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**Project No.**  
60691445

<p><b>Photo No.</b> 19</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Plan</p>		
<p><b>Description:</b> Underground Storage Tanks in Moss Beach Chevron lot abutting Vermont Avenue.</p>		
<p><b>Photo No.</b> 20</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Drive through gas pumps at Moss Beach Chevron.</p>		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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**Project No.**  
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<p><b>Photo No.</b> 21</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Front entrance of gas station convenience store at Moss Beach Chevron.</p>		
<p><b>Photo No.</b> 22</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Northeast</p>		
<p><b>Description:</b> South side of Moss Beach Chevron back lot.</p>		



**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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**Project No.**  
60691445

<p><b>Photo No.</b> 23</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> East</p>		
<p><b>Description:</b> North side of Moss Beach Chevron back lot.</p>		
<p><b>Photo No.</b> 24</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b></p>		
<p><b>Description:</b> Chevron - Potentially destroyed well/sampling location.</p>		


**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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**Project No.**  
60691445

<p><b>Photo No.</b> 29</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Concrete pad or cover behind Moss Beach Chevron in the back lot.</p>		
<p><b>Photo No.</b> 25</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> East</p>		
<p><b>Description:</b> View of propane tank located on at the Chevron.</p>		



**Project Name:**  
Moss Beach Phase 1 ISA**Site Location:**  
Moss Beach, CA, San Mateo County**Project No.**  
60691445

<b>Photo No.</b> 27	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> North		
<b>Description:</b> Intersection of Cabrillo Highway and Marine Boulevard.		

**Project Name:**  
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**Site Location:**  
Moss Beach, CA, San Mateo County



**Project No.**  
60691445

<p><b>Photo No.</b> 28</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> South</p>		
<p><b>Description:</b> Marine Boulevard entrance from Cabrillo Highway (south entrance).</p>		
<p><b>Photo No.</b> 29</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> Marine Boulevard entrance from Cabrillo Highway (north entrance).</p>		



**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
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**Project No.**  
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<p><b>Photo No.</b> 30</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Northwest</p>		
<p><b>Description:</b> Pull off area on the south side of Cabrillo Highway at the corner of Marine Boulevard and Cabrillo Highway.</p>		
<p><b>Photo No.</b> 31</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Cabrillo Highway heading towards Half Moon Bay Airport.</p>		

<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 32	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Northwest		
<b>Description:</b> Hospital sign on the north side of Cabrillo Highway on Marine Boulevard. Appears to have a utility line in front of sign surrounded by white traffic poles.		
<b>Photo No.</b> 33	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> West		
<b>Description:</b> Hospital sign on the north side of Cabrillo Highway on Marine Boulevard. Appears to have a utility line in front of sign surrounded by white traffic poles. Fire hydrant also located on lot.		



<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 45	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Northwest		
<b>Description:</b> Site of Coastside Market from Margaria Avenue. Appears to include a U-Haul equipment and trucks.		
<b>Photo No.</b> 46	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Northwest		
<b>Description:</b> Coastside Market southeast side switchbox/power.		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445



<p><b>Photo No.</b> 51</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Northeast</p>		
<p><b>Description:</b> San Mateo County Sheriff's Office at the corner of California Avenue and Carlos Street. Adjacent to Cabrillo Highway</p>		
<p><b>Photo No.</b> 52</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> Front elevation of Joy of Being building from Carlos Street. Powerlines are present over the front of the building.</p>		



**Project Name:**  
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<p><b>Photo No.</b> 53</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> Small residence to the north of Joy of Being. Appears to be under construction with recent tree removal.</p>		
<p><b>Photo No.</b> 54</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> Odyssey Pizzeria &amp; Café front entrance from Carlos Street. North of Joy of Being.</p>		



**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445

<p><b>Photo No.</b> 55</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Southeast</p>		
<p><b>Description:</b> Utility box in median between Carlos Street and Cabrillo Highway across from Odyssey Pizzeria &amp; Café.</p>		
<p><b>Photo No.</b> 56</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> United States Post Office on Carlos Street.</p>		



<b>Project Name:</b> Moss Beach Phase 1 ISA	<b>Site Location:</b> Moss Beach, CA, San Mateo County	<b>Project No.</b> 60691445
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<b>Photo No.</b> 57	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken: Northeast</b>		
<b>Description:</b> Drainage ditch/through pipe that appears to travel under Cabrillo Highway. Ditch is located at the corner of Carlos Street and Cabrillo Highway.		
<b>Photo No.</b> 58	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken: Northeast</b>		
<b>Description:</b> The Coastal Vine wine bar and event building at the corner of Carlos Street and Etheldore Street. Adjacent to Cabrillo Highway.		

**Project Name:**  
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**Site Location:**  
Moss Beach, CA, San Mateo County



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60691445

<p><b>Photo No.</b> 59</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> Northwest</p>		
<p><b>Description:</b> Garage and corner of Montara Water &amp; Sanitary District building. Adjacent to Cabrillo Highway and entered from Vallemar Street.</p>		
<p><b>Photo No.</b> 60</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Power and/or utility lines and box in the southern corner of Montara Water &amp; Sanitary District parking lot.</p>		

**Project Name:**  
Moss Beach Phase 1 ISA

**Site Location:**  
Moss Beach, CA, San Mateo County



**Project No.**  
60691445

<p><b>Photo No.</b> 61</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> West</p>		
<p><b>Description:</b> Power and/or utility lines and box in the southern corner of Montara Water &amp; Sanitary District parking lot. Shed more visible to the left of the utility box.</p>		
<p><b>Photo No.</b> 62</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b> North</p>		
<p><b>Description:</b> Road going north from in front of the Montara Water &amp; Sanitary District parking lot.</p>		



**Project Name:**  
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**Site Location:**  
Moss Beach, CA, San Mateo County

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<p><b>Photo No.</b> 63</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b></p>		
<p><b>Description:</b> Cell Tower</p>		
<p><b>Photo No.</b> 64</p>	<p><b>Date:</b> 3/27/23</p>	
<p><b>Direction Photo Taken:</b></p>		
<p><b>Description:</b> Cell Tower Located on near the wastewater treatment</p>		

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<b>Photo No.</b> 65	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b> Northwest		
<b>Description:</b> Fencing and trespass sign surrounding Montara Water & Sanitary District property.		
<b>Photo No.</b> 66	<b>Date:</b> 3/27/23	
<b>Direction Photo Taken:</b>		
<b>Description:</b> Fencing surrounding Montara Water & Sanitary District property.		

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**Site Location:**  
Moss Beach, CA, San Mateo County

**Project No.**  
60691445

**Photo No.**  
69

**Date:**  
3/27/23

**Direction Photo  
Taken: West**

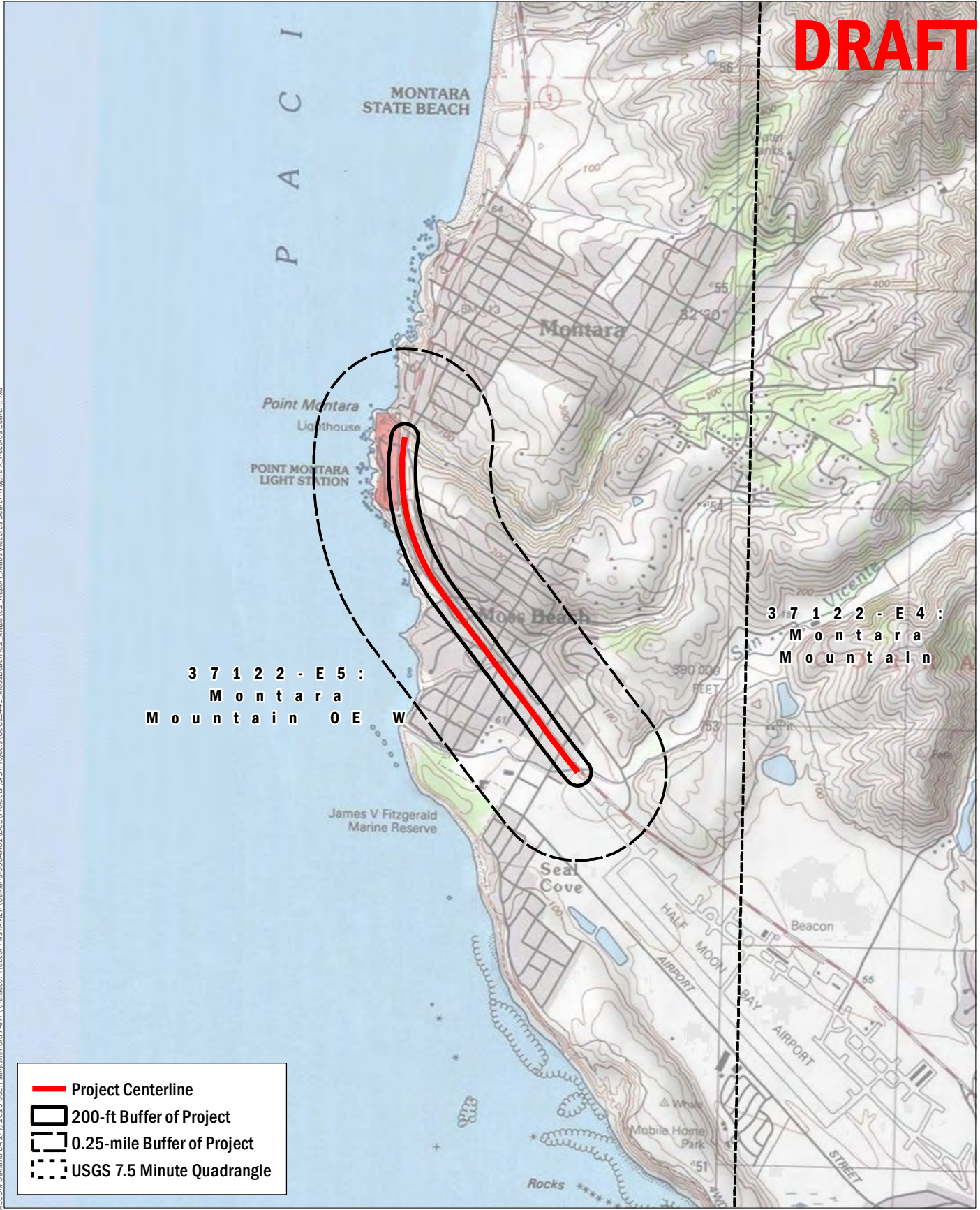
**Description:**  
Westward view from  
the intersection of  
Vallemar Street and  
Juliana Avenue.  
Residence on the right  
side appears to be  
recently built.





## **Appendix C EDR Radius Map Report**

**DRAFT**



3 7 1 2 2 - E 5 :  
M o n t a r a  
M o u n t a i n O E W

3 7 1 2 2 - E 4 :  
M o n t a r a  
M o u n t a i n

- Project Centerline
- 200-ft Buffer of Project
- 0.25-mile Buffer of Project
- USGS 7.5 Minute Quadrangle



Source: AECOM, 2023; USGS, 2012

A:\COM\Oakland\CA\2\7\2023\USEF\sal\sharford\DRH\Yna.aecommet.com\Ys\AMEF\Oakland\USDA\H01\DCS\Projects\GIS\Projects\60694.445\_MossBeach\02\_Maps\02\_Report\_Maps\Records\_Search\Figure\_X\_Records\_Search.mxd

**Moss Beach State Route 1 Improvements Project**

Cabrillo Highway and Cypress Ave

Moss Beach, CA 94038

Inquiry Number: 7288317.2s

March 23, 2023

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

CABRILLO HIGHWAY AND CYPRESS AVE  
MOSS BEACH, CA 94038

#### COORDINATES

Latitude (North): 37.5291680 - 37° 31' 45.00"  
Longitude (West): 122.5150250 - 122° 30' 54.09"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 542851.5  
UTM Y (Meters): 4153483.2  
Elevation: 64 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12016459 MONTARA MOUNTAIN OE W, CA  
Version Date: 2018  
  
Northeast Map: 12016455 MONTARA MOUNTAIN, CA  
Version Date: 2018

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140613, 20140608  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 CABRILLO HIGHWAY AND CYPRESS AVE  
 MOSS BEACH, CA 94038

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.)
<a href="#">A1</a>	HALF MOON BAY AIRPOR	9850 N HWY 1	AST	Higher	1 ft.
<a href="#">A2</a>	HALF MOON BAY AIRPOR	9850 N HWY 1	CERS HAZ WASTE, CERS TANKS, CERS	Higher	1 ft.
<a href="#">B3</a>	KN STATIONS LLC DBA	9400 CABRILLO HWY	RCRA NonGen / NLR	Lower	1 ft.
<a href="#">B4</a>	KN PROPERTY II - MTB	9400 HIGHWAY 1	LUST, Cortese	Lower	1 ft.
<a href="#">B5</a>	MOSS BEACH CHEVRON F	9400 HWY 1	San Mateo Co. BI	Lower	1 ft.
<a href="#">A6</a>	CALIFORNIA STATE PAR	16TH ST & HIGHWAY 1	RCRA NonGen / NLR	Higher	1 ft.
<a href="#">B7</a>	KN PROPERTY II	9400 HIGHWAY 1	LUST, Cortese	Lower	1 ft.
<a href="#">B8</a>	MOSS BEACH CHEVRON	9400 CABRILLO HWY	RCRA NonGen / NLR	Lower	1 ft.
<a href="#">B9</a>	KN PROPERTIES	9400 CABRILLO HWY	EDR Hist Auto	Lower	1 ft.
<a href="#">B10</a>	MOSS BEACH CHEVRON	9400 CABRILLO HWY	CERS HAZ WASTE, CERS TANKS, EMI, HAZNET, CERS,...	Lower	1 ft.
<a href="#">B11</a>	MOSS BEACH CHEVRON	9400 CABRILLO HWY	UST	Lower	1 ft.
<a href="#">B12</a>	MOSS BEACH CHEVRON	9400 CABRILLO	LUST, San Mateo Co. BI, CERS	Lower	1 ft.
<a href="#">C13</a>	FALVEY, MARTIN TR AN	2385 CARLOS	San Mateo Co. BI	Higher	48, 0.009, SE
<a href="#">C14</a>	BEACH CLEANER	2385 CARLOS ST	EDR Hist Cleaner	Higher	48, 0.009, SE
<a href="#">C15</a>	JOY OF BEING	2385 CARLOS	San Mateo Co. BI	Higher	48, 0.009, SE
<a href="#">C16</a>	BLUE BUILDING	2355 CARLOS	San Mateo Co. BI	Higher	48, 0.009, SE
<a href="#">C17</a>	ODYSSEY PIZZERIA & C	2350 CARLOS	San Mateo Co. BI	Higher	48, 0.009, SE
<a href="#">C18</a>	M B P O LTD	2315 CARLOS	San Mateo Co. BI	Higher	49, 0.009, ESE
<a href="#">D19</a>	SMITS, LOUIS C TR AN	2305 CARLOS	San Mateo Co. BI	Higher	50, 0.009, ESE
<a href="#">D20</a>	HEALING MASSAGE	2305 CARLOS	San Mateo Co. BI	Higher	50, 0.009, ESE
<a href="#">C21</a>	COASTSIDE AUTOMOTIVE	500 CALIFORNIA	San Mateo Co. BI	Higher	60, 0.011, SE
<a href="#">C22</a>	BORTOLOTTI, DAN & LI	500 CALIFORNIA	San Mateo Co. BI	Higher	60, 0.011, SE
<a href="#">C23</a>	SAN MATEO CO SHERIFF	500 CALIFORNIA	San Mateo Co. BI	Higher	60, 0.011, SE
<a href="#">E24</a>	KN PROPERTY II	9500 CABRILLO	HIST CORTESE	Lower	62, 0.012, SSE
<a href="#">E25</a>	MOSS BEACH BEACON	9500 CABRILLO HWY	LUST, SWEEPS UST	Lower	62, 0.012, SSE
<a href="#">E26</a>	NERHAN KEET	9500 CABRILLO HWY	EDR Hist Auto	Lower	62, 0.012, SSE
<a href="#">B27</a>	COASTSIDE MARKET INC	501 VIRGINIA	San Mateo Co. BI	Higher	88, 0.017, SE
<a href="#">C28</a>	AT&T CALIFORNIA - PC	740 ETHELDORE	San Mateo Co. BI	Higher	200, 0.038, ESE
<a href="#">E29</a>	MIKE WATERS	451 LANCASTER BOULEV	RCRA NonGen / NLR	Lower	203, 0.038, SSE
<a href="#">F30</a>	ST. CATHERINE HOSPIT	MARINE BLVD AT ETHEL	RCRA-SQG	Higher	212, 0.040, SE
<a href="#">31</a>	HAJDU, GOBER	450 CYPRESS AVENUE	RCRA NonGen / NLR	Lower	229, 0.043, SSE
<a href="#">G32</a>	POINT MONTARA FIRE P	501 STETSON STREET	HIST UST	Higher	245, 0.046, NNW
<a href="#">G33</a>	FUEL OIL SYSTEMS	501 STETSON STREET	RCRA NonGen / NLR	Higher	245, 0.046, NNW
<a href="#">G34</a>	COASTSIDE FIRE DISTR	501 STETSON	San Mateo Co. BI, CERS	Higher	245, 0.046, NNW
<a href="#">G35</a>	STATION 44	501 STETSON	San Mateo Co. BI	Higher	245, 0.046, NNW
<a href="#">G36</a>	FUEL OIL SYSTEMS	501 STETSON STREET	RCRA NonGen / NLR	Higher	245, 0.046, NNW
<a href="#">H37</a>	DANS PLACE	818 ETHELDORE	San Mateo Co. BI, HIST CORTESE	Higher	262, 0.050, ESE
<a href="#">H38</a>	GUNTREN, JOSEPH T	818 ETHELDORE	San Mateo Co. BI	Higher	262, 0.050, ESE
<a href="#">F39</a>	DONALD W KESTLER 199	1015 PEARL AVENUE	RCRA NonGen / NLR	Higher	272, 0.052, SE

MAPPED SITES SUMMARY

Target Property Address:  
 CABRILLO HIGHWAY AND CYPRESS AVE  
 MOSS BEACH, CA 94038

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	MANNON, JIM	619 STETSON	LUST, San Mateo Co. BI	Higher	350, 0.066, NNE
I41	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST	Higher	352, 0.067, NNE
I42	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST, CPS-SLIC, Cortese	Higher	352, 0.067, NNE
J43	ESTATE OF ETHEL GILL	575 KELMORE	San Mateo Co. BI	Higher	480, 0.091, North
J44	PRIVATE RESIDENCE	PRIVATE RESIDENCE	CPS-SLIC, NON-CASE INFO	Higher	486, 0.092, North
I45	UST SITE - RESIDENCE	630 KELMORE	San Mateo Co. BI	Higher	494, 0.094, NNE
I46	EVANS TRUST PROPERTY	630 KELMORE ST	LUST	Higher	494, 0.094, NNE
K47	EMPTY BUILDING	877 ETHELDORE	San Mateo Co. BI	Higher	504, 0.095, ESE
K48	HENDRICKSON, JAMES A	887 ETHELDORE	San Mateo Co. BI	Higher	525, 0.099, ESE
49	STEPHEN AND AMY MOOR	410 CALIFORNIA AVENU	RCRA NonGen / NLR	Lower	636, 0.120, South
50	UST SITE- RESIDENTIA	431 NEVADA	San Mateo Co. BI	Lower	752, 0.142, South
L51	SETON MEDICAL CENTER	600 MARINE BLVD	CERS HAZ WASTE, CERS	Higher	871, 0.165, ESE
L52	AHMC SETON COASTSIDE	600 MARINE BOULEVARD	RCRA-SQG	Higher	871, 0.165, ESE
L53	SETON MEDICAL CENTER	600 MARINE BLVD	RCRA NonGen / NLR	Higher	871, 0.165, ESE
L54	SETON MEDICAL CENTER	600 MARINE	San Mateo Co. BI	Higher	871, 0.165, ESE
L55	SETON MEDICAL CENTER	600 MARINE BLVD	AST, HAZNET, HWTS	Higher	871, 0.165, ESE
M56		875 KELMORE ST	SWEEPS UST	Higher	922, 0.175, East
M57	RESIDENCE	875 KELMORE	San Mateo Co. BI	Higher	922, 0.175, East
58	CYPRESS MEADOWS	343 CYPRESS	San Mateo Co. BI	Lower	922, 0.175, SSE
59	SEWER AUTHORITY MID	223 VERMONT AVE	RCRA NonGen / NLR	Lower	990, 0.188, South
60	REILEY RESIDENCE	101 12TH ST.	LUST, Cortese, CERS	Higher	1060, 0.201, NNW
61	TRUJILLO RESIDENCE	1065 PARK WY	LUST	Higher	1194, 0.226, SSE
62	XENIA CONCEPTS	221 CYPRESS	San Mateo Co. BI	Lower	1220, 0.231, South
N63	AT&T MOBILITY (12776	9852 CABRILLO N HWY	San Mateo Co. BI	Higher	1255, 0.238, SE
N64	AT & T MOBILITY- HMB	9852 HWY 1	San Mateo Co. BI	Higher	1255, 0.238, SE
N65	IACOPI FARMS	9850 N CABRILLO HWY	RCRA NonGen / NLR	Higher	1267, 0.240, SE
N66	IACOPI FARMS	9850 N CABRILLO HWY	CERS HAZ WASTE, CERS, HWTS	Higher	1267, 0.240, SE
N67	HALF MOON BAY AIRPOR	9850 CABRILLO HWY N	RCRA NonGen / NLR	Higher	1267, 0.240, SE
N68	WEST COAST AVIATION	9850 N CABRILLO HWY	RCRA NonGen / NLR	Higher	1267, 0.240, SE
N69	HALF MOON BAY AIRPOR	9850 CABRILLO HWY	SWEEPS UST, San Mateo Co. BI, EMI, NPDES, CIWQS,...	Higher	1267, 0.240, SE
N70	HALF MOON BAY AIRPOR	9850 HWY 1	San Mateo Co. BI	Higher	1267, 0.240, SE
O71	CALTRANS MONTARA	ADJ 8450 CABRILLO HI	LUST, Cortese, CERS	Higher	1803, 0.341, North
O72	NEIGHBORHOOD GAS MAR	8445 CABRILLO HWY	LUST, HWTS	Higher	2041, 0.387, North
73	NEIGHBORHOOD GAS MAR	8445 HIGHWAY 1	LUST, Cortese, CERS	Higher	2107, 0.399, North
74	USCG (MONTARA LIGHTH	0 COAST HIGHWAY	LUST, Cortese, CERS	Higher	2435, 0.461, North
75	HALF MOON BAY FLIGHT		FUDS	Lower	3974, 0.753, SE
76	HALF MOON BAY FLIGHT	5.5 NW OF HALF MOON	ENVIROSTOR	Lower	4874, 0.923, SSE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Lists of Federal NPL (Superfund) sites***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Lists of Federal Delisted NPL sites***

Delisted NPL..... National Priority List Deletions

### ***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS..... Corrective Action Report

### ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Lists of Federal RCRA generators***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List



## EXECUTIVE SUMMARY

US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***Lists of state- and tribal (Superfund) equivalent sites***

RESPONSE..... State Response Sites

### ***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF..... Solid Waste Information System

### ***Lists of state and tribal leaking storage tanks***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***Lists of state and tribal registered storage tanks***

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***Lists of state and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***Lists of state and tribal brownfield sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

## EXECUTIVE SUMMARY

Toxic Pits..... Toxic Pits Cleanup Act Sites  
US CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database

### **Local Land Records**

LIENS..... Environmental Liens Listing  
LIENS 2..... CERCLA Lien Information  
DEED..... Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
ABANDONED MINES..... Abandoned Mines  
FINDS..... Facility Index System/Facility Registry System

## EXECUTIVE SUMMARY

UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
PFAS NPL.....	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES.....	Federal Sites PFAS Information
PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
PFAS.....	PFAS Contamination Site Location Listing
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
HAZNET.....	Facility and Manifest Data
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
HWTS.....	Hazardous Waste Tracking System
MINES MRDS.....	Mineral Resources Data System

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

# EXECUTIVE SUMMARY

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

### ***Lists of Federal RCRA generators***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ST. CATHERINE HOSPIT EPA ID:: CAD982472276	MARINE BLVD AT ETHEL	SE 0 - 1/8 (0.040 mi.)	F30	75
AHMC SETON COASTSIDE EPA ID:: CAR000325407	600 MARINE BOULEVARD	ESE 1/8 - 1/4 (0.165 mi.)	L52	123

### ***Lists of state- and tribal hazardous waste facilities***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information

## EXECUTIVE SUMMARY

that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HALF MOON BAY FLIGHT Facility Id: 71000039 Status: No Further Action	5.5 NW OF HALF MOON	SSE 1/2 - 1 (0.923 mi.)	76	195

### ***Lists of state and tribal leaking storage tanks***

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 14 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>MANNON, JIM</i></b> Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019 Facility Id: 018041 Facility Status: 5C- Pollution Characterization Global ID: T0608170114	<b><i>619 STETSON</i></b>	<b><i>NNE 0 - 1/8 (0.066 mi.)</i></b>	<b><i>I40</i></b>	<b><i>93</i></b>
PRIVATE RESIDENCE Database: LUST, Date of Government Version: 12/02/2022 Status: Open - Remediation Global Id: T0608170114	PRIVATE RESIDENCE	NNE 0 - 1/8 (0.067 mi.)	I41	94
<b><i>PRIVATE RESIDENCE</i></b> Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Global Id: T10000011376	<b><i>PRIVATE RESIDENCE</i></b>	<b><i>NNE 0 - 1/8 (0.067 mi.)</i></b>	<b><i>I42</i></b>	<b><i>102</i></b>
EVANS TRUST PROPERTY Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019 Facility Id: 018050 Facility Status: 3B- Preliminary Assessment Underway	630 KELMORE ST	NNE 0 - 1/8 (0.094 mi.)	I46	109
<b><i>REILEY RESIDENCE</i></b> Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019 Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Facility Id: 018046 Facility Status: 9- Case Closed Global Id: T10000009197 Global ID: T10000009197	<b><i>101 12TH ST.</i></b>	<b><i>NNW 1/8 - 1/4 (0.201 mi.)</i></b>	<b><i>60</i></b>	<b><i>145</i></b>
TRUJILLO RESIDENCE Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019	1065 PARK WY	SSE 1/8 - 1/4 (0.226 mi.)	61	148

## EXECUTIVE SUMMARY

Facility Id: 019048

Facility Status: 3B- Preliminary Assessment Underway

<b>CALTRANS MONTARA</b>	<b>ADJ 8450 CABRILLO HI</b>	<b>N 1/4 - 1/2 (0.341 mi.)</b>	<b>071</b>	<b>176</b>
Database: LUST, Date of Government Version: 12/02/2022				
Status: Completed - Case Closed				
Global Id: T10000010332				
<b>NEIGHBORHOOD GAS MAR</b>	<b>8445 CABRILLO HWY</b>	<b>N 1/4 - 1/2 (0.387 mi.)</b>	<b>072</b>	<b>180</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Preliminary site assessment underway				
<b>NEIGHBORHOOD GAS MAR</b>	<b>8445 HIGHWAY 1</b>	<b>N 1/4 - 1/2 (0.399 mi.)</b>	<b>73</b>	<b>181</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019				
Database: LUST, Date of Government Version: 12/02/2022				
Status: Completed - Case Closed				
Facility Id: 010036				
Facility Status: 3B- Preliminary Assessment Underway				
Global Id: T0608192710				
Global ID: T0608192710				
<b>USCG (MONTARA LIGHTH</b>	<b>0 COAST HIGHWAY</b>	<b>N 1/4 - 1/2 (0.461 mi.)</b>	<b>74</b>	<b>192</b>
Database: LUST, Date of Government Version: 12/02/2022				
Status: Completed - Case Closed				
Global Id: T0608100670				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KN PROPERTY II - MTB</b>	<b>9400 HIGHWAY 1</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B4</b>	<b>20</b>
Database: LUST, Date of Government Version: 12/02/2022				
Status: Completed - Case Closed				
Global Id: T10000002799				
<b>KN PROPERTY II</b>	<b>9400 HIGHWAY 1</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B7</b>	<b>25</b>
Database: LUST, Date of Government Version: 12/02/2022				
Status: Completed - Case Closed				
Global Id: T0608101043				
<b>MOSS BEACH CHEVRON</b>	<b>9400 CABRILLO</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B12</b>	<b>61</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019				
Facility Id: 230038				
Facility Id: 230016				
Facility Status: 9- Case Closed				
Global ID: T0608101043				
<b>MOSS BEACH BEACON</b>	<b>9500 CABRILLO HWY</b>	<b>SSE 0 - 1/8 (0.012 mi.)</b>	<b>E25</b>	<b>67</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Post remedial action monitoring				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PRIVATE RESIDENCE</b>	<b>PRIVATE RESIDENCE</b>	<b>NNE 0 - 1/8 (0.067 mi.)</b>	<b>I42</b>	<b>102</b>
Database: CPS-SLIC, Date of Government Version: 12/02/2022				

## EXECUTIVE SUMMARY

Facility Status: Completed - Case Closed  
Global Id: T0608122441

<b>PRIVATE RESIDENCE</b>	<b>PRIVATE RESIDENCE</b>	<b>N 0 - 1/8 (0.092 mi.)</b>	<b>J44</b>	<b>108</b>
Database: CPS-SLIC, Date of Government Version: 12/02/2022				
Facility Status: Completed - Case Closed				
Global Id: T10000009968				

### ***Lists of state and tribal registered storage tanks***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOSS BEACH CHEVRON Database: UST, Date of Government Version: 12/02/2022	9400 CABRILLO HWY	0 - 1/8 (0.000 mi.)	B11	59

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HALF MOON BAY AIRPOR Database: AST, Date of Government Version: 07/06/2016	9850 N HWY 1	0 - 1/8 (0.000 mi.)	A1	9
<b>SETON MEDICAL CENTER</b> Database: AST, Date of Government Version: 07/06/2016	<b>600 MARINE BLVD</b>	<b>ESE 1/8 - 1/4 (0.165 mi.)</b>	<b>L55</b>	<b>130</b>

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Hazardous waste / Contaminated Sites***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HALF MOON BAY AIRPOR	9850 N HWY 1	0 - 1/8 (0.000 mi.)	A2	9
SETON MEDICAL CENTER	600 MARINE BLVD	ESE 1/8 - 1/4 (0.165 mi.)	L51	113
IACOPI FARMS	9850 N CABRILLO HWY	SE 1/8 - 1/4 (0.240 mi.)	N66	152
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOSS BEACH CHEVRON	9400 CABRILLO HWY	0 - 1/8 (0.000 mi.)	B10	40

## EXECUTIVE SUMMARY

### **Local Lists of Registered Storage Tanks**

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Comp Number: 10073	875 KELMORE ST	E 1/8 - 1/4 (0.175 mi.)	M56	142
<b>HALF MOON BAY AIRPOR</b> Comp Number: 10037	<b>9850 CABRILLO HWY</b>	<b>SE 1/8 - 1/4 (0.240 mi.)</b>	<b>N69</b>	<b>163</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MOSS BEACH BEACON</b> Status: A Tank Status: A Comp Number: 10010	<b>9500 CABRILLO HWY</b>	<b>SSE 0 - 1/8 (0.012 mi.)</b>	<b>E25</b>	<b>67</b>

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POINT MONTARA FIRE P Facility Id: 00000036032	501 STETSON STREET	NNW 0 - 1/8 (0.046 mi.)	G32	79

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HALF MOON BAY AIRPOR</b>	<b>9850 N HWY 1</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A2</b>	<b>9</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MOSS BEACH CHEVRON</b>	<b>9400 CABRILLO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B10</b>	<b>40</b>



## EXECUTIVE SUMMARY

### ***Other Ascertainable Records***

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 14 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALIFORNIA STATE PAR EPA ID:: CAL000361422	16TH ST & HIGHWAY 1	0 - 1/8 (0.000 mi.)	A6	23
FUEL OIL SYSTEMS EPA ID:: CAC003135897	501 STETSON STREET	NNW 0 - 1/8 (0.046 mi.)	G33	80
FUEL OIL SYSTEMS EPA ID:: CAC003135880	501 STETSON STREET	NNW 0 - 1/8 (0.046 mi.)	G36	88
DONALD W KESTLER 199 EPA ID:: CAC003075533 EPA ID:: CAC003033971	1015 PEARL AVENUE	SE 0 - 1/8 (0.052 mi.)	F39	91
SETON MEDICAL CENTER EPA ID:: CAL000083123	600 MARINE BLVD	ESE 1/8 - 1/4 (0.165 mi.)	L53	126
IACOPI FARMS EPA ID:: CAL000430493	9850 N CABRILLO HWY	SE 1/8 - 1/4 (0.240 mi.)	N65	150
HALF MOON BAY AIRPOR EPA ID:: CAL000170574	9850 CABRILLO HWY N	SE 1/8 - 1/4 (0.240 mi.)	N67	159
WEST COAST AVIATION EPA ID:: CAL000430488	9850 N CABRILLO HWY	SE 1/8 - 1/4 (0.240 mi.)	N68	161
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KN STATIONS LLC DBA EPA ID:: CAL000464762	9400 CABRILLO HWY	0 - 1/8 (0.000 mi.)	B3	18
MOSS BEACH CHEVRON EPA ID:: CAL000277862	9400 CABRILLO HWY	0 - 1/8 (0.000 mi.)	B8	37
MIKE WATERS EPA ID:: CAC003219351	451 LANCASTER BOULEV	SSE 0 - 1/8 (0.038 mi.)	E29	73
HAJDU, GOBER EPA ID:: CAC003060206	450 CYPRESS AVENUE	SSE 0 - 1/8 (0.043 mi.)	31	77
STEPHEN AND AMY MOOR EPA ID:: CAC003174039	410 CALIFORNIA AVENU	S 0 - 1/8 (0.120 mi.)	49	110
SEWER AUTHORITY MID EPA ID:: CAC003100643	223 VERMONT AVE	S 1/8 - 1/4 (0.188 mi.)	59	143

## EXECUTIVE SUMMARY

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HALF MOON BAY FLIGHT		SE 1/2 - 1 (0.753 mi.)	75	194

Hazardous Materials Business Plan, Hazardous Waste Generator, Underground Storage tanks

A review of the San Mateo Co. BI list, as provided by EDR, and dated 02/20/2020 has revealed that there are 32 San Mateo Co. BI sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FALVEY, MARTIN TR AN Facility Id: FA0055671	2385 CARLOS	SE 0 - 1/8 (0.009 mi.)	C13	63
JOY OF BEING Facility Id: FA0051295	2385 CARLOS	SE 0 - 1/8 (0.009 mi.)	C15	63
BLUE BUILDING Facility Id: FA0057067	2355 CARLOS	SE 0 - 1/8 (0.009 mi.)	C16	64
ODYSSEY PIZZERIA & C Facility Id: FA0005380	2350 CARLOS	SE 0 - 1/8 (0.009 mi.)	C17	64
M B P O LTD Facility Id: FA0055670	2315 CARLOS	ESE 0 - 1/8 (0.009 mi.)	C18	64
SMITS, LOUIS C TR AN Facility Id: FA0055669	2305 CARLOS	ESE 0 - 1/8 (0.009 mi.)	D19	65
HEALING MASSAGE Facility Id: FA0051288	2305 CARLOS	ESE 0 - 1/8 (0.009 mi.)	D20	65
COASTSIDE AUTOMOTIVE Facility Id: FA0022479	500 CALIFORNIA	SE 0 - 1/8 (0.011 mi.)	C21	65
BORTOLOTTI, DAN & LI Facility Id: FA0055672	500 CALIFORNIA	SE 0 - 1/8 (0.011 mi.)	C22	66
SAN MATEO CO SHERIFF Facility Id: FA0038537	500 CALIFORNIA	SE 0 - 1/8 (0.011 mi.)	C23	66
COASTSIDE MARKET INC Facility Id: FA0001260	501 VIRGINIA	SE 0 - 1/8 (0.017 mi.)	B27	71
AT&T CALIFORNIA - PC Facility Id: FA0007547	740 ETHELDORE	ESE 0 - 1/8 (0.038 mi.)	C28	72
<b>COASTSIDE FIRE DISTR</b> Facility Id: FA0022360	<b>501 STETSON</b>	<b>NNW 0 - 1/8 (0.046 mi.)</b>	<b>G34</b>	<b>82</b>
STATION 44 Facility Id: FA0029274	501 STETSON	NNW 0 - 1/8 (0.046 mi.)	G35	87
<b>DANS PLACE</b> Facility Id: FA0002095	<b>818 ETHELDORE</b>	<b>ESE 0 - 1/8 (0.050 mi.)</b>	<b>H37</b>	<b>90</b>
GUNTREN, JOSEPH T Facility Id: FA0055673	818 ETHELDORE	ESE 0 - 1/8 (0.050 mi.)	H38	91
<b>MANNON, JIM</b>	<b>619 STETSON</b>	<b>NNE 0 - 1/8 (0.066 mi.)</b>	<b>I40</b>	<b>93</b>

## EXECUTIVE SUMMARY

Facility Id: FA0027465				
ESTATE OF ETHEL GILL	575 KELMORE	N 0 - 1/8 (0.091 mi.)	J43	107
Facility Id: FA0026945				
UST SITE - RESIDENCE	630 KELMORE	NNE 0 - 1/8 (0.094 mi.)	I45	109
Facility Id: FA0063188				
EMPTY BUILDING	877 ETHELDORE	ESE 0 - 1/8 (0.095 mi.)	K47	109
Facility Id: FA0023159				
HENDRICKSON, JAMES A	887 ETHELDORE	ESE 0 - 1/8 (0.099 mi.)	K48	110
Facility Id: FA0055674				
SETON MEDICAL CENTER	600 MARINE	ESE 1/8 - 1/4 (0.165 mi.)	L54	128
Facility Id: FA0014862				
Facility Id: FA0061385				
RESIDENCE	875 KELMORE	E 1/8 - 1/4 (0.175 mi.)	M57	142
Facility Id: FA0014604				
AT&T MOBILITY (12776	9852 CABRILLO N HWY	SE 1/8 - 1/4 (0.238 mi.)	N63	149
Facility Id: FA0066679				
AT & T MOBILITY- HMB	9852 HWY 1	SE 1/8 - 1/4 (0.238 mi.)	N64	149
Facility Id: FA0029731				
<b>HALF MOON BAY AIRPOR</b>	<b>9850 CABRILLO HWY</b>	<b>SE 1/8 - 1/4 (0.240 mi.)</b>	<b>N69</b>	<b>163</b>
Facility Id: FA0062273				
Facility Id: FA0062274				
HALF MOON BAY AIRPOR	9850 HWY 1	SE 1/8 - 1/4 (0.240 mi.)	N70	174
Facility Id: FA0009570				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOSS BEACH CHEVRON F	9400 HWY 1	0 - 1/8 (0.000 mi.)	B5	23
Facility Id: FA0006574				
<b>MOSS BEACH CHEVRON</b>	<b>9400 CABRILLO</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B12</b>	<b>61</b>
Facility Id: FA0010001				
UST SITE- RESIDENTIA	431 NEVADA	S 1/8 - 1/4 (0.142 mi.)	50	112
Facility Id: FA0046852				
CYPRESS MEADOWS	343 CYPRESS	SSE 1/8 - 1/4 (0.175 mi.)	58	143
Facility Id: FA0028968				
XENIA CONCEPTS	221 CYPRESS	S 1/8 - 1/4 (0.231 mi.)	62	149
Facility Id: FA0055668				

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/14/2022 has revealed that there are 7 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PRIVATE RESIDENCE</b>	<b>PRIVATE RESIDENCE</b>	<b>NNE 0 - 1/8 (0.067 mi.)</b>	<b>I42</b>	<b>102</b>
Cleanup Status: OPEN - REMEDIATION				
Cleanup Status: COMPLETED - CASE CLOSED				
<b>REILEY RESIDENCE</b>	<b>101 12TH ST.</b>	<b>NNW 1/8 - 1/4 (0.201 mi.)</b>	<b>60</b>	<b>145</b>

## EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

<b>CALTRANS MONTARA</b>	<b>ADJ 8450 CABRILLO HI</b>	<b>N 1/4 - 1/2 (0.341 mi.)</b>	<b>O71</b>	<b>176</b>
Cleanup Status: COMPLETED - CASE CLOSED				
<b>NEIGHBORHOOD GAS MAR</b>	<b>8445 HIGHWAY 1</b>	<b>N 1/4 - 1/2 (0.399 mi.)</b>	<b>73</b>	<b>181</b>
Cleanup Status: COMPLETED - CASE CLOSED				
<b>USCG (MONTARA LIGHTH</b>	<b>0 COAST HIGHWAY</b>	<b>N 1/4 - 1/2 (0.461 mi.)</b>	<b>74</b>	<b>192</b>
Cleanup Status: COMPLETED - CASE CLOSED				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KN PROPERTY II - MTB</b>	<b>9400 HIGHWAY 1</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B4</b>	<b>20</b>
Cleanup Status: COMPLETED - CASE CLOSED				
<b>KN PROPERTY II</b>	<b>9400 HIGHWAY 1</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B7</b>	<b>25</b>
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>DANS PLACE</b>	<b>818 ETHELDORE</b>	<b>ESE 0 - 1/8 (0.050 mi.)</b>	<b>H37</b>	<b>90</b>
Reg Id: 41-1162				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KN PROPERTY II</b>	<b>9500 CABRILLO</b>	<b>SSE 0 - 1/8 (0.012 mi.)</b>	<b>E24</b>	<b>67</b>
Reg Id: 41-1136				

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KN PROPERTIES	9400 CABRILLO HWY	0 - 1/8 (0.000 mi.)	B9	39
NERHAN KEET	9500 CABRILLO HWY	SSE 0 - 1/8 (0.012 mi.)	E26	71

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

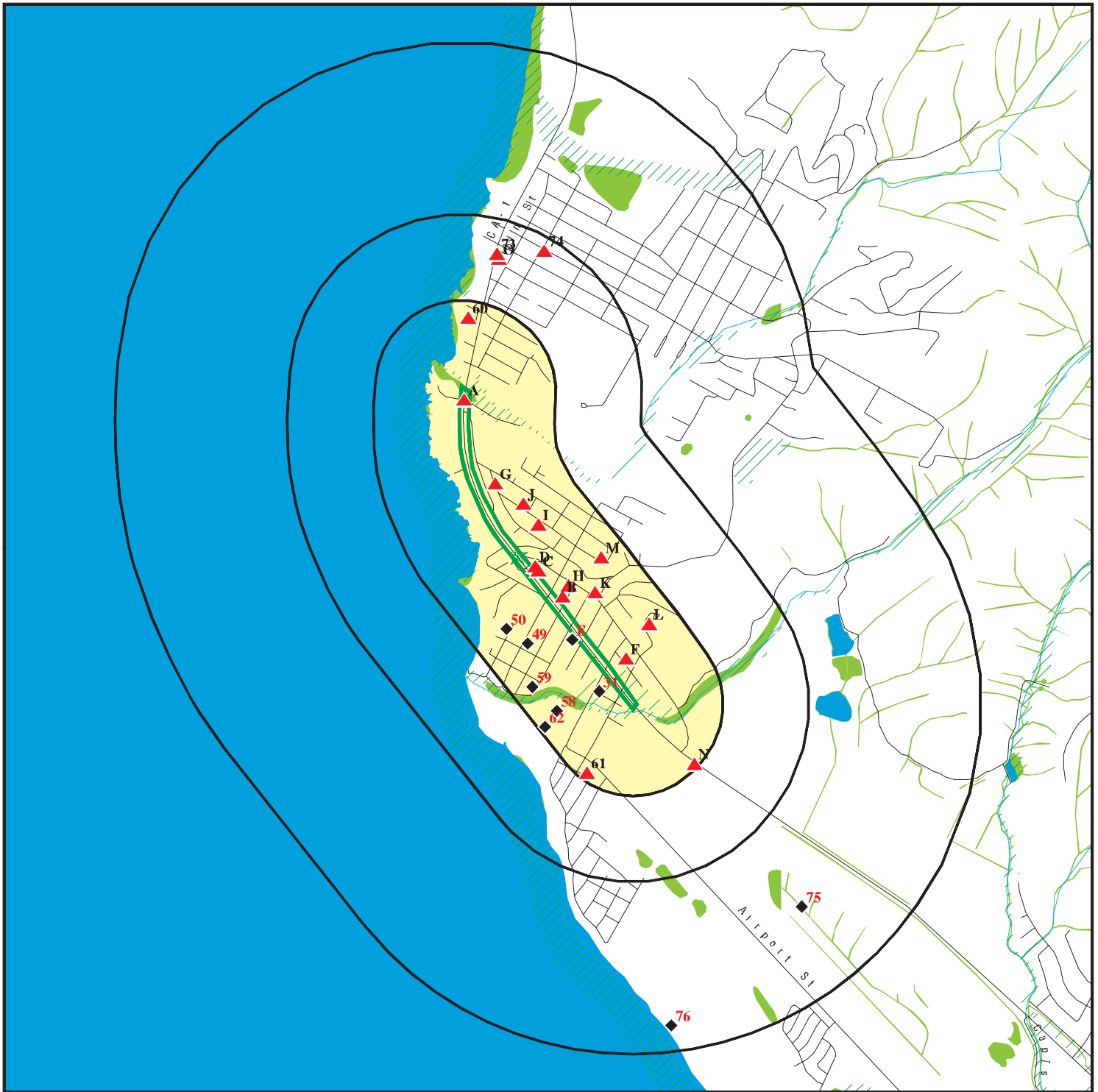
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEACH CLEANER	2385 CARLOS ST	SE 0 - 1/8 (0.009 mi.)	C14	63

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
CALTRANS	LUST, San Mateo Co. BI, HAZNET, HWTS
MITCHELL PROPERTY	LUST, San Mateo Co. BI, HIST CORTESE
USCG (MONTARA LIGHTHOUSE)	LUST

# OVERVIEW MAP - 7288317.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

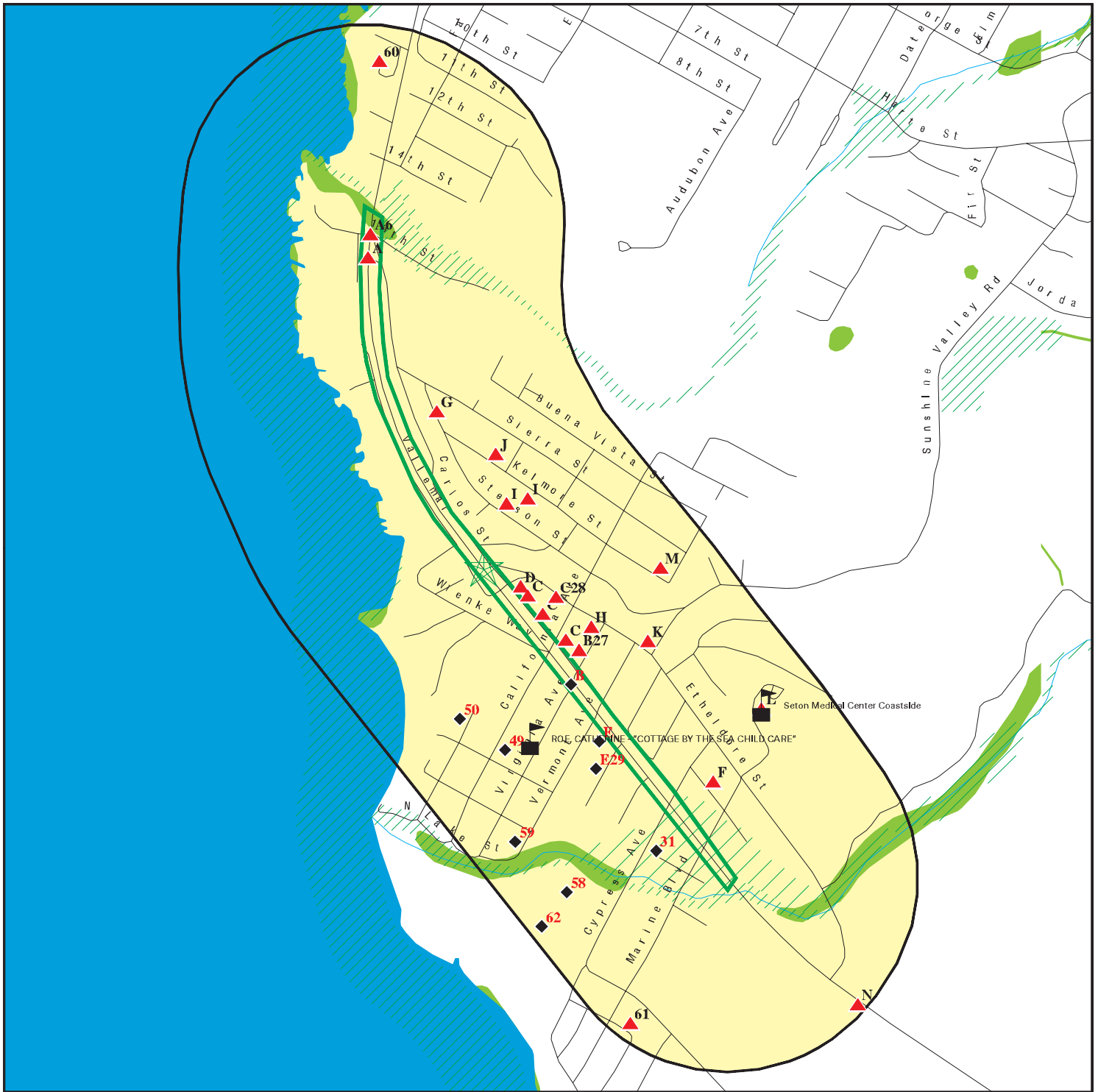









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: Moss Beach State Route 1 Improvements Project  
 ADDRESS: Cabrillo Highway and Cypress Ave  
 Moss Beach CA 94038  
 LAT/LONG: 37.529168 / 122.515025

CLIENT: AECOM  
 CONTACT: Wanda Farmer  
 INQUIRY #: 7288317.2s  
 DATE: March 23, 2023 2:28 pm

# DETAIL MAP - 7288317.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p><b>SITE NAME:</b> Moss Beach State Route 1 Improvements Project  <b>ADDRESS:</b> Cabrillo Highway and Cypress Ave                  Moss Beach CA 94038  <b>LAT/LONG:</b> 37.529168 / 122.515025</p>	<p><b>CLIENT:</b> AECOM  <b>CONTACT:</b> Wanda Farmer  <b>INQUIRY #:</b> 7288317.2s  <b>DATE:</b> March 23, 2023 2:29 pm</p>
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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Lists of Federal NPL (Superfund) sites</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal Delisted NPL sites</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal CERCLA sites with NFRAP</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal RCRA facilities undergoing Corrective Action</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal RCRA TSD facilities</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal RCRA generators</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>Lists of state- and tribal (Superfund) equivalent sites</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>Lists of state- and tribal hazardous waste facilities</i></b>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<b><i>Lists of state and tribal landfills and solid waste disposal facilities</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><i>Lists of state and tribal leaking storage tanks</i></b>								
LUST	0.500		8	2	4	NR	NR	14
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	0	NR	NR	2
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		1	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal brownfield sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		2	2	NR	NR	NR	4
US CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
SWEEPS UST	0.250		1	2	NR	NR	NR	3
HIST UST	0.250		1	0	NR	NR	NR	1
CERS TANKS	0.250		2	0	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		9	5	NR	NR	NR	14
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
San Mateo Co. BI	0.250		23	9	NR	NR	NR	32
Cortese	0.500		3	1	3	NR	NR	7
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	0	0	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	59	23	7	2	0	91

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>A1</b>	<b>HALF MOON BAY AIRPORT</b>	<b>AST</b>	<b>A100420605</b>
	<b>9850 N HWY 1</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94038</b>		
<b>1 ft.</b>			

**Site 1 of 3 in cluster A**

<b>Relative:</b>	<b>AST:</b>		
<b>Higher</b>	Name:	HALF MOON BAY AIRPORT	
	Address:	9850 N HWY 1	
<b>Actual:</b>	City/Zip:	MOSS BEACH,94038	
<b>97 ft.</b>	Certified Unified Program Agencies:	Not reported	
	Owner:	COUNTY OF SAN MATEO, DEPT. OF PUBLIC WORKS	
	Total Gallons:	Not reported	
	CERSID:	10064278	
	Facility ID:	Not reported	
	Business Name:	HALF MOON BAY AIRPORT	
	Phone:	6505733701	
	Fax:	6505933762	
	Mailing Address:	620 AIRPORT DRIVE	
	Mailing Address City:	SAN CARLOS	
	Mailing Address State:	CA	
	Mailing Address Zip Code:	94070	
	Operator Name:	County of San Mateo/Airports	
	Operator Phone:	6505733700	
	Owner Phone:	6503631875	
	Owner Mail Address:	555 COUNTY CTR-DPW	
	Owner State:	CA	
	Owner Zip Code:	94063	
	Owner Country:	United States	
	Property Owner Name:	Not reported	
	Property Owner Phone:	Not reported	
	Property Owner Mailing Address:	Not reported	
	Property Owner City:	Not reported	
	Property Owner Stat :	Not reported	
	Property Owner Zip Code:	Not reported	
	Property Owner Country:	Not reported	
	EPAID:	CAL000170574	

<b>A2</b>	<b>HALF MOON BAY AIRPORT</b>	<b>CERS HAZ WASTE</b>	<b>S123499894</b>
	<b>9850 N HWY 1</b>	<b>CERS TANKS</b>	<b>N/A</b>
<b>&lt; 1/8</b>	<b>HALF MOON BAY, CA 94038</b>	<b>CERS</b>	
<b>1 ft.</b>			

**Site 2 of 3 in cluster A**

<b>Relative:</b>	<b>CERS HAZ WASTE:</b>		
<b>Higher</b>	Name:	HALF MOON BAY AIRPORT	
	Address:	9850 N HWY 1	
<b>Actual:</b>	City,State,Zip:	HALF MOON BAY, CA 94038	
<b>97 ft.</b>	Site ID:	121364	
	CERS ID:	10064278	
	CERS Description:	Hazardous Waste Generator	
	 <b>CERS TANKS:</b>		
	Name:	HALF MOON BAY AIRPORT	
	Address:	9850 N HWY 1	
	City,State,Zip:	HALF MOON BAY, CA 94038	
	Site ID:	121364	
	CERS ID:	10064278	
	CERS Description:	Aboveground Petroleum Storage	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HALF MOON BAY AIRPORT (Continued)

S123499894

CERS:

Name: HALF MOON BAY AIRPORT  
Address: 9850 N HWY 1  
City,State,Zip: HALF MOON BAY, CA 94038  
Site ID: 121364  
CERS ID: 10064278  
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 02-21-2018  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.

Violation Notes: Returned to compliance on 02/23/2018. OBSERVATION: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records. CORRECTIVE ACTION: Keep written inspection procedures, records of inspections and integrity testing, signed by appropriate supervisor/inspector, for at least 3 years. THE CHECKLIST THAT THE SITE HAS BEEN USING DID NOT ADDRESS ALL THE NECESSARY ITEMS. THE SITE STARTED USING A GOOD CHECKLIST TODAY.

Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.

Violation Notes: Returned to compliance on 01/06/2016. OBSERVATION: Failure to provide training regarding one or more of the following: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan. CORRECTIVE ACTION: Provide training in: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan. Provide proof of training within 30 days.

Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to designate a person accountable for discharge prevention and who reports to facility management.  
Violation Notes: Returned to compliance on 01/06/2016. OBSERVATION: Failure to designate a person accountable for discharge prevention and who reports to facility management. CORRECTIVE ACTION: Designate a person accountable for discharge prevention and who reports to facility management. This needs to be updated.  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 02-21-2018  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to regularly test liquid level sensing devices to ensure proper operation.  
Violation Notes: Returned to compliance on 04/10/2018. OBSERVATION: Failure to regularly test liquid level sensing devices to ensure proper operation. CORRECTIVE ACTION: Test liquid level sensing devices to ensure proper operation. Submit test results THE LIQUID LEVEL DEVICES HAVE NOT BEEN TESTED TO DATE.  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 02-01-2021  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.  
Violation Notes: Returned to compliance on 02/04/2021.  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to obtain facility management approval to fully implement the SPCC Plan.  
Violation Notes: Returned to compliance on 09/29/2015. OBSERVATION: Failure to obtain facility management approval to fully implement the SPCC Plan. CORRECTIVE ACTION: Sign management approval and FAX or E-mail page to CUPA inspector within 7 days.  
Violation Division: San Mateo County Environmental Health



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to have an adequate facility diagram, or no facility diagram included within the SPCC plan.  
Violation Notes: Returned to compliance on 01/06/2016. OBSERVATION: Failure to have an adequate facility diagram, or no facility diagram included within the SPCC plan. CORRECTIVE ACTION: Include an adequate facility diagram in the SPCC. The diagram need to be updated. AST -2 is closed.  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
Violation Description: Failure to make SPCC plan amendment(s) when the facility has had a change in: design, construction, operation, or maintenance which affects the facility s discharge potential.  
Violation Notes: Returned to compliance on 01/06/2016. OBSERVATION: Failure to make SPCC plan amendment(s) when the facility has had a change in: design, construction, operation, or maintenance which affects the facility s discharge potential. CORRECTIVE ACTION: Amend SPCC as required. Emergency coordinator and used oil tank.  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 02-21-2018  
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)  
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.  
Violation Notes: Returned to compliance on 04/12/2018. OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. CORRECTIVE ACTION: Complete and document the 5 year review of SPCC Plan and submit verification of proper completion. PLAN CERTIFIED OCTOBER 9, 2012 BY JESSICA MULLEN P.E # 69571  
Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 09-02-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Violation Description: Failure to schedule and conduct spill prevention briefings at least once a year.

Violation Notes: Returned to compliance on 01/06/2016. OBSERVATION: Failure to schedule and conduct spill prevention briefings at least once a year. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide compliance verification. This needs to be performed according to the plan.

Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Site ID: 121364  
Site Name: HALF MOON BAY AIRPORT  
Violation Date: 02-21-2018  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.

Violation Notes: Returned to compliance on 04/10/2018. OBSERVATION: Failure to schedule and conduct spill prevention briefings at least once a year. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide compliance verification.

Violation Division: San Mateo County Environmental Health  
Violation Program: APSA  
Violation Source: CERS,

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 01-13-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 03-30-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-31-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: No used oil pick up this year. 60 gallons of used oil picked up June 2016. The site is cleaning up random hazardous waste from tenants. You can advise your tenants to utilize the county household hazardous waste program. [smchealth.org/hhw](http://smchealth.org/hhw)

Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Eval General Type: Other/Unknown  
Eval Date: 04-07-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 04-19-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: APSA  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-02-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 01-06-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: HERE TODAY FOR A FOLLOW-UP INSPECTION. ALL VIOLATIONS HAVE BEEN CORRECTED.  
Eval Division: San Mateo County Environmental Health  
Eval Program: APSA  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-08-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-02-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-23-2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: THE AIRPORT OPERATIONS MANAGER WILL POST A SIGN NEAR THE FUEL DISPENSER. ALL SPILLS CALL 650-573-3700 OTHER EMERGENCIES CALL 911. 650-573-3700 GOES TO THE OPERATIONS MANGER AND THE MANGER WILL MAKE ALL THE PROPER NOTIFICATIONS. OES, CUPA, OR 911 FOR LARGE SPILLS.  
Eval Division: San Mateo County Environmental Health  
Eval Program: APSA  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-02-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: APSA  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-08-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: The site generates used oil, some waste fuel and oily debris. SQG levels. All containers are closed. No spills. All manifests present. D.O. copies available.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 01-12-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-02-2021  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: 55 gallon diesel tank currently empty and not in use.  
Eval Division: San Mateo County Environmental Health  
Eval Program: APSA  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 04-20-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Eval General Type: Other/Unknown  
Eval Date: 09-04-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 01-25-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-02-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-31-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: THE FACILITY REVIEWED AND DELETED CHEMICALS FROM THE INVENTORY THAT WHERE UNDER THRESHOLD. THEY WILL ALSO REVISE THEIR MAPS TO A MORE CONCISE FORMAT.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-02-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: Michael Byrne  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 620 AIRPORT Way  
Affiliation City: SAN CARLOS  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94070  
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer  
Entity Name: Gretchen Kelly  
Entity Title: Airport Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Operator  
Entity Name: County of San Mateo/Airports  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 573-3700,

Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94403  
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Environmental Contact  
Entity Name: Gretchen Kelly or Michael Byrne  
Entity Title: Not reported  
Affiliation Address: 620 Airport Way  
Affiliation City: San Carlos  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94070  
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner  
Entity Name: COUNTY OF SAN MATEO, DEPT. OF PUBLIC WORKS  
Entity Title: Not reported  
Affiliation Address: 6505733700 555 COUNTY CENTER-5TH FLR  
Affiliation City: REDWOOD CITY  
Affiliation State: CA  
Affiliation Country: United States

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S123499894**

Affiliation Zip: 94063  
Affiliation Phone: (650) 363-4103,  
  
Affiliation Type Desc: Parent Corporation  
Entity Name: HALF MOON BAY AIRPORT  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,  
  
Affiliation Type Desc: Property Owner  
Entity Name: County of San Mateo Public Works  
Entity Title: Not reported  
Affiliation Address: 555 County Center 5th floor  
Affiliation City: Redwood City  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94063  
Affiliation Phone: (650) 363-4103,

**B3** **KN STATIONS LLC DBA MOSS BEACH CHEVRON**  
**9400 CABRILLO HWY**  
**< 1/8** **MOSS BEACH, CA 94038**  
**1 ft.**

**RCRA NonGen / NLR 1027091294**  
**CAL000464762**

**Site 1 of 10 in cluster B**

**Relative:**  
**Lower**  
**Actual:**  
**58 ft.**

RCRA Listings:  
Date Form Received by Agency: 20210813  
Handler Name: Kn Stations Llc Dba Moss Beach Chevron  
Handler Address: 9400 CABRILLO HWY  
Handler City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAL000464762  
Contact Name: JOR FREITAS  
Contact Address: PO BOX 158  
Contact City,State,Zip: HALF MOON BAY, CA 94019  
Contact Telephone: 650-726-4402  
Contact Fax: 650-726-3615  
Contact Email: JFREITAS@KNPROPERTIES.COM  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: PO BOX 158  
Mailing City,State,Zip: HALF MOON BAY, CA 94019  
Owner Name: Kn Stations Llc  
Owner Type: Other  
Operator Name: Jor Freitas  
Operator Type: Other

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KN STATIONS LLC DBA MOSS BEACH CHEVRON (Continued)**

**1027091294**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KN STATIONS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 158
Owner/Operator City,State,Zip:	HALF MOON BAY, CA 94019
Owner/Operator Telephone:	650-726-4402
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOR FREITAS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN STATIONS LLC DBA MOSS BEACH CHEVRON (Continued)**

**1027091294**

Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: PO BOX 158  
Owner/Operator City,State,Zip: HALF MOON BAY, CA 94019  
Owner/Operator Telephone: 650-726-4402  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210813  
Handler Name: KN STATIONS LLC DBA MOSS BEACH CHEVRON  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 56299  
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**B4 KN PROPERTY II - MTBE RELEASE**  
**9400 HIGHWAY 1**

**LUST S127815471**  
**Cortese N/A**

**< 1/8 MOSS BEACH, CA 94038**

**1 ft.**

**Site 2 of 10 in cluster B**

**Relative:  
Lower**

**LUST:**

**Actual:  
58 ft.**

Name: KN PROPERTY II - MTBE RELEASE  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000002799](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002799)  
Global Id: T10000002799  
Latitude: 37.525817769278  
Longitude: -122.512130584656  
Status: Completed - Case Closed  
Status Date: 12/04/2012  
Case Worker: Not reported  
RB Case Number: Not reported  
Local Agency: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II - MTBE RELEASE (Continued)**

**S127815471**

File Location: Not reported  
Local Case Number: 230038  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates  
Site History: Site opened to deal with MtBE issues, see original LUST site for more historical information.

LUST:

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 03/02/2011  
Action: Staff Letter - #20110302

Global Id: T10000002799  
Action Type: Other  
Date: 01/04/2005  
Action: Leak Reported

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 03/02/2011  
Action: Conceptual Site Model

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 06/14/2013  
Action: Well Destruction Report

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 01/17/2012  
Action: Staff Letter - #20120127

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 07/30/2013  
Action: Closure/No Further Action Letter - #20130730

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 12/04/2012  
Action: Staff Letter - #20121204

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 11/07/2011  
Action: Other Workplan

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 04/24/2012  
Action: Soil and Water Investigation Report

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 03/08/2013  
Action: Well Destruction Workplan - Regulator Responded

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II - MTBE RELEASE (Continued)**

**S127815471**

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 09/06/2011  
Action: Staff Letter - #20110906

Global Id: T10000002799  
Action Type: ENFORCEMENT  
Date: 02/16/2011  
Action: Notice of Responsibility - #20110216

Global Id: T10000002799  
Action Type: Other  
Date: 01/04/2005  
Action: Leak Discovery

Global Id: T10000002799  
Action Type: RESPONSE  
Date: 11/07/2011  
Action: Other Report / Document

**LUST:**

Global Id: T10000002799  
Status: Open - Case Begin Date  
Status Date: 01/04/2005

Global Id: T10000002799  
Status: Open - Site Assessment  
Status Date: 02/01/2011

Global Id: T10000002799  
Status: Open - Verification Monitoring  
Status Date: 11/29/2012

Global Id: T10000002799  
Status: Completed - Case Closed  
Status Date: 12/04/2012

Global Id: T10000002799  
Status: Open - Eligible for Closure  
Status Date: 12/04/2012

**CORTESE:**

Name: KN PROPERTY II - MTBE RELEASE  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T10000002799  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KN PROPERTY II - MTBE RELEASE (Continued)**

**S127815471**

Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

**B5**      **MOSS BEACH CHEVRON FOOD MART**  
**9400 HWY 1**

**San Mateo Co. BI**    **S123180062**  
**N/A**

**< 1/8**  
**1 ft.**      **MOSS BEACH, CA 94038**

**Site 3 of 10 in cluster B**

<b>Relative:</b>	San Mateo Co. BI:	
<b>Lower</b>	Name:	MOSS BEACH CHEVRON FOOD MART
	Address:	9400 HWY 1
<b>Actual:</b>	City,State,Zip:	MOSS BEACH, CA 94038
<b>58 ft.</b>	Region:	SAN MATEO
	Facility ID:	FA0006574
	Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
	Record Id:	PR0039376
	Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
	Facility Status:	Inactive, non-billable
	Program Category:	STORMWATER

**A6**      **CALIFORNIA STATE PARKS POINT MONTARA LIGHT STATION**  
**16TH ST & HIGHWAY 1**

**RCRA NonGen / NLR**    **1024828914**  
**CAL000361422**

**< 1/8**  
**1 ft.**      **MONTARA, CA 94038**

**Site 3 of 3 in cluster A**

<b>Relative:</b>	RCRA Listings:	
<b>Higher</b>	Date Form Received by Agency:	20110303
	Handler Name:	California State Parks Point Montara Light Station
<b>Actual:</b>	Handler Address:	16TH ST & HIGHWAY 1
<b>86 ft.</b>	Handler City,State,Zip:	MONTARA, CA 94038
	EPA ID:	CAL000361422
	Contact Name:	MICHAEL STEPHENS
	Contact Address:	704 O STREET
	Contact City,State,Zip:	SACRAMENTO, CA 95814
	Contact Telephone:	916-324-0412
	Contact Fax:	916-324-0301
	Contact Email:	MICHAEL.STEPHENS@PARKS.CA.GOV
	Contact Title:	Not reported
	EPA Region:	09
	Land Type:	Not reported
	Federal Waste Generator Description:	Not a generator, verified
	Non-Notifier:	Not reported
	Biennial Report Cycle:	Not reported
	Accessibility:	Not reported
	Active Site Indicator:	Handler Activities

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CALIFORNIA STATE PARKS POINT MONTARA LIGHT STATION (Continued)**

**1024828914**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	704 O STREET
Mailing City, State, Zip:	SACRAMENTO, CA 95814-0000
Owner Name:	Calif Dept Of Parks & Recreation
Owner Type:	Other
Operator Name:	Michael Stephens
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALIF DEPT OF PARKS & RECREATION
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	704 O STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALIFORNIA STATE PARKS POINT MONTARA LIGHT STATION (Continued)**

**1024828914**

Owner/Operator City,State,Zip: SACRAMENTO, CA 95814-0000  
Owner/Operator Telephone: 916-324-0412  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: MICHAEL STEPHENS  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 704 O STREET  
Owner/Operator City,State,Zip: SACRAMENTO, CA 95814  
Owner/Operator Telephone: 916-324-0412  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:  
Receive Date: 20110303  
Handler Name: CALIFORNIA STATE PARKS POINT MONTARA LIGHT STATION  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:  
NAICS Code: 721211  
NAICS Description: RV (RECREATIONAL VEHICLE) PARKS AND CAMPGROUNDS

Facility Has Received Notices of Violations:  
Violations: No Violations Found

Evaluation Action Summary:  
Evaluations: No Evaluations Found

**B7** **KN PROPERTY II**  
**9400 HIGHWAY 1**  
**< 1/8** **MOSS BEACH, CA 94038**  
**1 ft.**  
**Site 4 of 10 in cluster B**

**LUST S127815469**  
**Cortese N/A**

**Relative:** LUST:  
**Lower** Name: KN PROPERTY II  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608101043](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608101043)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Global Id: T0608101043  
Latitude: 37.5258602894508  
Longitude: -122.512235641479  
Status: Completed - Case Closed  
Status Date: 10/07/2014  
Case Worker: BG  
RB Case Number: 41-1136  
Local Agency: SAN MATEO COUNTY LOP  
File Location: Local Agency  
Local Case Number: 230016  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Extracted from Stantec's December 4, 2009, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is currently an active Chevron branded gas station and convenience store located at the southern corner of the intersection of Cabrillo Highway and Vermont Avenue (San Mateo County Assessor s Parcel Number 037-171-860) in Moss Beach, California. Site facilities include a convenience store, four fuel dispenser islands located under a stand-alone canopy, and three gasoline underground storage tanks (USTs) located on the northern portion of the property. Currently, the site has six groundwater monitoring wells (MW-1, and MW-4 through MW-8), four UST pit observation wells (TP-1 though TP-4), and two piezometers (P-1 and P-2). Prior to the current site operations, the site facility consisted of a Southland (now known as 7-Eleven, Inc) Super-7 branded gas station and convenience store. 7-Eleven purchased the property which included the pre-existing gas station (including the USTs and fuel system) in February 1976 from The Oil Shale Corporation (Tosco) who later merged with Phillips Petroleum. Prior to the research conducted for this report (section 2.5.1), it would appear that neither the current property owner nor the current management with 7-Eleven were directly aware of the previous gas station operations at the site prior to purchase of the gas station in 1976 by 7-Eleven. At the time of the purchase in 1976, it included the convenience store building, two fuel dispenser islands under a common canopy attached to the store building and a UST basin located behind the convenience store building containing three 10,000-gallon and one 6,000-gallon USTs on the southwestern portion of the site. In addition, one 280-gallon waste-oil tank and one 280-gallon fuel-oil tank were located next to the northeast and southeast sides of the store building, respectively. The gas station facilities remained unchanged by 7-Eleven until they sold the property in 1986. The four historical USTs were removed from the site in 1991 by the current property owner, and the waste-oil and fuel-oil tanks were removed in 1986. On March 28, 1986, J.H. Kleinfelder & Associates (Kleinfelder) generated a Soil and Groundwater Investigation report for the Southland Corporation (now 7-Eleven, Inc.) apparently as part of a property sale baseline assessment. As part of the initial assessment, a total of five soil borings (B-1 through B-5) were advanced on March 4, 1986. Borings B-2 and B-5 were then converted to groundwater monitoring wells MW-2 and MW-1 (original), respectively. On March 5, 1986, Kleinfelder also collected soil samples from beneath a 280-gallon fuel-oil tank (S-FO-8) and a 280-gallon waste-oil tank (SWO-5) as these tanks were removed. Inspection of the fuel-oil tank revealed numerous small holes up to -inch in diameter that appeared to be the result of natural corrosion. The waste-oil tank was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

observed to have only a few small holes on the upper-end of the tank up to 1/8-inch in diameter. Both of the tanks had been abandoned in place (filled with fine sand) and inactive for an unknown period of time. The backfill material surrounding the two tanks was removed from the excavations and soil sample S-FO-8 was collected approximately two feet below the bottom of the pre-existing fuel-oil tank and sample S-WO-5 was collected approximately one foot below the bottom of the pre-existing waste-oil tank. Both excavations were subsequently back-filled with clean material to surface grade. On May 16, 1986, Kleinfelder generated a Final Report-Subsurface Environmental Investigation that summarized additional site assessment activities at the site. The report summarized the advancement of nine shallow soil borings (D-1 through D-9) in the vicinity of the former fuel-oil tank, one soil boring (B-6) to the south-southwest of the former fuel-oil tank, the installation of two piezometers located on the eastern property boundary (P-1) and northwest of the store building (P-2), and the installation of an additional groundwater monitoring well (MW-3) near the northern property boundary. Using the soil sample results from borings D-1 through D-9, Kleinfelder excavated approximately 27 cubic yards (yd<sup>3</sup>) of impacted soil from the vicinity (and to the west-southwest) of the former fuel-oil tank location in June 1986. The soil was disposed of at a Class I landfill and the entire excavation was backfilled with engineered fill. The San Mateo County letter dated June 4, 1986 granting approval of the soil disposal activities also indicated that no additional action would likely be required by San Mateo County at the site after the proposed soil removal activities were completed. Specifically, San Mateo County directed that soils containing hydrocarbon concentrations greater than 1,000 parts per million (ppm) were to be removed. The report of the soil excavation and disposal activities was provided to California Regional Water Quality Control Board (CRWQCB) and to San Mateo County on July 9, 1986. Analytical results of two confirmation soil samples (S-1-A and S-2-A) collected from the bottom of the over-excavation indicated that the impacted soil (greater than 1,000 ppm) had been effectively removed from below, and adjacent to, the former fuel-oil tank pit. On July 18, 1986, the property was sold to Mr. Keet Nerhan who continued to operate the existing USTs and fuel system. On December 19, 1986 (6 months after the property was sold by 7-Eleven) Kleinfelder conducted groundwater monitoring and sampling activities at the site. During the December 18, 1986 groundwater monitoring and sampling event, 1.5 inches of free product was observed to be present in groundwater monitoring well MW-1 (original) located immediately adjacent to the UST basin. A subsequent visit to the site by Kleinfelder on December 21, 1986 revealed the presence of approximately 20 inches of free product in MW-1. Notification of the presence of the free product was provided to the current property owner and operator of the USTs, Mr. Keet Nerhan, who proceeded to coordinate the removal of the free product by a subcontractor. While the 7-Eleven files do not include documentation of who Mr. Nerhan subcontracted to conduct the free product removal, they do document that Mr. Nerhan requested the name of a subcontractor that could provide the service. 7-Eleven provided the name of AAA Sales and Service of Vacaville, CA to Mr. Nerhan. In June 1991, Blaine Tech Services Inc. (Blaine) removed the four USTs from a common tank pit located behind the station building. Excavation and removal of soil from the UST excavation, product line excavation, and new dispenser pump island excavations is described in



Map ID  
Direction  
Distance  
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**KN PROPERTY II (Continued)**

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the Atlas Engineering Revised Low Risk Groundwater Study Report dated August 22, 2003. A copy of the July 1991 UST removal report was not available for review at the time SECOR (now Stantec) conducted a file review with the GPP in January 2005. The final over excavation dimensions and volume of soil removed from the site during the 1991 fuel system replacement activities were not provided in the 2003 Atlas report. Blaine installed three new 10,000-gallon USTs and four tank-pit wells (TP-1 through TP-4) in the northern portion of the property, the four current dispenser islands and the current canopy. It is assumed that original wells MW-1, MW-2, and MW-3 were destroyed during tank removal and tank replacement activities. In July 1992, Subsurface Consultants, Inc. (SCI) advanced soil boring B-7 immediately northwest of the former gasoline UST pit. New groundwater monitoring well MW-1 was then installed in boring B-7. A copy of the well installation report generated by SCI is included in Attachment B. The well has been sampled since July 1992. On February 9, 2005, the GPP sent a letter to 7-Eleven requesting a work plan for site characterization. This letter represented the first communication to 7-Eleven from San Mateo County regarding the site since the June 4, 1986 letter from San Mateo County that indicated no additional action would likely be required of 7-Eleven after removal of the impacted soils from the vicinity of the former fuel-oil tank. On March 31, 2005, SECOR International Inc. (SECOR) submitted a Work Plan for Site Characterization to the GPP on behalf of 7-Eleven. SECOR also submitted an Additional Work Plan for Soil and Groundwater Assessment to the GPP on November 23, 2005. On May 30 and 31, 2006, SECOR supervised Gregg Drilling and Testing (Gregg) during the advancement of geoprobe borings DP-1 through DP-9. SECOR submitted a Soil and Groundwater Assessment Report to the GPP on August 18, 2006. The report summarized that total petroleum hydrocarbons as diesel (TPHd) in groundwater were laterally defined to the north at the site and that dissolved total petroleum hydrocarbons as gasoline (TPHg) in groundwater was not defined in any direction. However, methyl-tert-butyl ether (MtBE) in groundwater appeared to be centered in the area of the current fuel dispensers as indicated by elevated dissolved MtBE concentrations observed in soil boring DP-8 and the only detections in soil observed in DP-7 and DP-8. The generally low to less than laboratory reporting limits of TPHg in most of the soil samples, specifically in all of the 15 foot bgs samples, indicated the vertical definition of TPHg. In all borings analyzed for TPHd, concentrations decreased with depth, except in boring DP-6 where the highest TPHd and total petroleum hydrocarbons as motor oil (TPHmo) were in the 15 foot sample. The vertical extent of TPHd and TPHmo in soil was not defined in the vicinity of the former fuel-oil tank. However, the lateral and vertical extent of benzene, toluene, ethyl benzene and xylenes (BTEX) was defined by less than laboratory reporting limit concentrations in most soil samples and in all soil samples collected from 15 feet bgs. At the request of the GPP, SECOR submitted a Work Plan for Additional Soil and Groundwater Assessment to the GPP on March 30, 2007. The work plan was approved by the GPP in a letter dated May 1, 2007 and on July 10, 2007, SECOR supervised Gregg during the advancement of geoprobe boring DP-10 through DP-14. A second phase of work was then completed on July 24, 2007 when SECOR supervised Gregg in the installation of five monitoring wells (MW-4 through MW-8). SECOR submitted an Additional Assessment and Well Installation Report on September 26, 2007. The report indicated that the lateral extent of TPHg, BTEX and MtBE in soil was defined to the

Map ID  
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MAP FINDINGS

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**KN PROPERTY II (Continued)**

**S127815469**

northeast, southeast, southwest and west of the site. TPHd and TPHmo in soil, however, was not vertically defined in the vicinity of the former fuel-oil tank. However, TPHd concentrations in boring DP-6 (in the area of the former fuel-oil tank) were characterized by the laboratory as having atypical chromatogram patterns for diesel. The lateral extent of dissolved TPHg, TPHd, BTEX and MtBE in groundwater were defined to the northeast, southeast and southwest of the site. In October 2007, the GPP requested additional site assessment to the south and southeast of boring DP-9 based on the elevated TPHd concentrations detected in said boring and the south/southwest groundwater flow directions observed during the first and second quarters of 2007. In response, SECOR submitted a Work Plan for Additional Site Assessment to the GPP on December 10, 2007. While the GPP approved the work plan on December 13, 2007, the additional assessment work was placed on hold due to difficulties obtaining the necessary access agreement with the offsite property owners. On June 1, 2008, SECOR International Inc. became Stantec Consulting Corporation (Stantec). In an email correspondence on June 11, 2008, the GPP placed the work proposed in the December 2007 work plan on hold and requested a re-assessment of the groundwater flow direction at the site. Stantec provided the Groundwater Flow Analysis to the GPP on August 27, 2008. The analysis concluded that the groundwater flow direction at the site is predominantly to the west with fluctuations to the northwest during seasonal highs in groundwater. Previous groundwater flow directions were considered erroneous due to limited available site data at the time. It should be noted that the preliminary site assessment activities conducted by Kleinfelder also determined that the groundwater flow direction at the site was predominantly to the northwest.

LUST:

Global Id: T0608101043  
Contact Type: Local Agency Caseworker  
Contact Name: BRIAN GWINN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 Alameda de las Pulgas, Suite 100  
City: SAN MATEO  
Email: bgwinn@smcgov.org  
Phone Number: 6502724590

LUST:

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 06/20/2011  
Action: Soil and Water Investigation Workplan

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2013  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2013  
Action: Monitoring Report - Quarterly

Global Id: T0608101043

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MAP FINDINGS

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Database(s)

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**KN PROPERTY II (Continued)**

**S127815469**

Action Type:	RESPONSE
Date:	06/04/2014
Action:	Well Destruction Report
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	03/02/2011
Action:	Staff Letter - #20110302
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	07/08/2010
Action:	Staff Letter - #20100708
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	08/21/2013
Action:	Notification - Preclosure - #20130821
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	08/20/2012
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	12/16/2011
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	12/16/2011
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608101043
Action Type:	Other
Date:	04/07/1986
Action:	Leak Discovery
Global Id:	T0608101043
Action Type:	Other
Date:	06/02/1991
Action:	Leak Reported
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	10/07/2014
Action:	Closure/No Further Action Letter - #20141007
Global Id:	T0608101043
Action Type:	ENFORCEMENT
Date:	06/07/2012
Action:	Staff Letter - #20120607
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	12/04/2009

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/01/2010  
Action: Sensitive Receptor Survey Report

Global Id: T0608101043  
Action Type: REMEDIATION  
Date: 06/05/1991  
Action: Excavation

Global Id: T0608101043  
Action Type: REMEDIATION  
Date: 06/01/1986  
Action: Excavation

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 07/07/2009  
Action: Staff Letter - #20090707

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/13/2004  
Action: Electronic Reporting Submittal Due

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 12/10/2007  
Action: Soil and Water Investigation Workplan

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/01/2010  
Action: Soil and Water Investigation Workplan

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2012  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2012  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2012  
Action: Monitoring Report - Quarterly

Map ID  
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MAP FINDINGS

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**KN PROPERTY II (Continued)**

**S127815469**

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/15/2013  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/04/2014  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 06/11/1991  
Action: Notice of Responsibility - #1

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 06/05/2003  
Action: Staff Letter - #20030605

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 10/10/2007  
Action: Staff Letter - #20071010

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 12/03/2003  
Action: Staff Letter - #20031203

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 04/23/2003  
Action: Notice of Violation - #20030423

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 06/17/2004  
Action: Staff Letter - #20040617

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 06/11/2008  
Action: Staff Letter - #20080611

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 05/01/2007  
Action: Staff Letter - #20070501

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 11/28/2006  
Action: Staff Letter - #20061128

Global Id: T0608101043  
Action Type: ENFORCEMENT

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Date: 08/04/2009  
Action: Staff Letter - #20090804

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 09/07/2011  
Action: Staff Letter - #20110906

Global Id: T0608101043  
Action Type: ENFORCEMENT  
Date: 12/04/2013  
Action: Staff Letter - #20131204

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/28/2008  
Action: Soil and Water Investigation Report

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 06/27/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Global Id:	T0608101043
Action Type:	RESPONSE
Date:	08/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	08/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	01/01/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	01/29/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	08/29/2007
Action:	Soil and Water Investigation Report
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	08/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	11/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	02/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	02/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608101043
Action Type:	RESPONSE
Date:	07/25/2003
Action:	Risk Assessment Report
Global Id:	T0608101043
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Date: 05/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2011  
Action: Monitoring Report - Other

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2012  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 02/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2010  
Action: Monitoring Report - Quarterly



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 05/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 01/02/2012  
Action: Soil and Water Investigation Report

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 11/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608101043  
Action Type: RESPONSE  
Date: 08/15/2008  
Action: Monitoring Report - Quarterly

**LUST:**

Global Id: T0608101043  
Status: Open - Case Begin Date  
Status Date: 04/07/1986

Global Id: T0608101043  
Status: Open - Verification Monitoring  
Status Date: 04/07/1986

Global Id: T0608101043  
Status: Open - Site Assessment  
Status Date: 11/28/2006

Global Id: T0608101043  
Status: Open - Verification Monitoring  
Status Date: 10/09/2012

Global Id: T0608101043  
Status: Open - Eligible for Closure  
Status Date: 09/27/2013

Global Id: T0608101043  
Status: Completed - Case Closed  
Status Date: 10/07/2014

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KN PROPERTY II (Continued)**

**S127815469**

**CORTESE:**

Name: KN PROPERTY II  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608101043  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**B8**

**MOSS BEACH CHEVRON  
9400 CABRILLO HWY  
MOSS BEACH, CA 94038**

**RCRA NonGen / NLR**

**1024808034  
CAL000277862**

**< 1/8  
1 ft.**

**Site 5 of 10 in cluster B**

**Relative:  
Lower  
Actual:  
58 ft.**

RCRA Listings:  
Date Form Received by Agency: 20040107  
Handler Name: Moss Beach Chevron  
Handler Address: 9400 CABRILLO HWY  
Handler City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAL000277862  
Contact Name: GENA LONG  
Contact Address: P.O. BOX 158  
Contact City,State,Zip: HALF MOON BAY, CA 94019  
Contact Telephone: 650-726-4402  
Contact Fax: 650-726-3615  
Contact Email: GLONG@KNPROPERTIES.COM  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Handler Activities  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: PO BOX 158  
Mailing City,State,Zip: HALF MOON BAY, CA 94019-0158  
Owner Name: Keet Nerhan

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**1024808034**

Owner Type:	Other
Operator Name:	Gena Long
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENA LONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 158
Owner/Operator City,State,Zip:	HALF MOON BAY, CA 94019
Owner/Operator Telephone:	650-726-4402
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**1024808034**

Owner/Operator Indicator:	Owner
Owner/Operator Name: KEET NERHAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 158
Owner/Operator City,State,Zip:	HALF MOON BAY, CA 94019-0158
Owner/Operator Telephone:	650-726-4402
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20040107
Handler Name: MOSS BEACH CHEVRON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4471
NAICS Description:	GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

**B9**

**KN PROPERTIES  
 9400 CABRILLO HWY  
 MOSS BEACH, CA 94038**

**EDR Hist Auto 1021639459  
 N/A**

**< 1/8  
 1 ft.**

**Site 6 of 10 in cluster B**

**Relative:  
 Lower**

EDR Hist Auto

**Actual:  
 58 ft.**

Year:	Name:	Type:
1993	HALF MOON BAY BEACON	Convenience Stores
1994	HALF MOON BAY BEACON	Convenience Stores
1995	HALF MOON BAY BEACON	Convenience Stores
1996	HALF MOON BAY BEACON	Convenience Stores
2010	KN PROPERTIES	Convenience Stores
2011	KN PROPERTIES	Convenience Stores
2012	KN PROPERTIES	Convenience Stores
2013	KN PROPERTIES	Convenience Stores
2014	KN PROPERTIES	Gasoline Service Stations, NEC

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B10**      **MOSS BEACH CHEVRON**  
**9400 CABRILLO HWY**  
**MOSS BEACH, CA 94038**

**CERS HAZ WASTE**      **S113129936**  
**CERS TANKS**              **N/A**  
**EMI**  
**HAZNET**  
**CERS**  
**HWTS**

**Relative:**  
**Lower**

**Site 7 of 10 in cluster B**

**Actual:**  
**58 ft.**

**CERS HAZ WASTE:**  
 Name:                              MOSS BEACH CHEVRON  
 Address:                            9400 CABRILLO HWY  
 City,State,Zip:                  MOSS BEACH, CA 94038  
 Site ID:                             397866  
 CERS ID:                          10465183  
 CERS Description:                Hazardous Waste Generator

**CERS TANKS:**  
 Name:                              MOSS BEACH CHEVRON  
 Address:                            9400 CABRILLO HWY  
 City,State,Zip:                  MOSS BEACH, CA 94038  
 Site ID:                             397866  
 CERS ID:                          10465183  
 CERS Description:                Underground Storage Tank

**EMI:**  
 Name:                              MOSS BEACH CHEVRON  
 Address:                            9400 CABRILLO HWY  
 City,State,Zip:                  MOSS BEACH, CA 94038  
 Year:                                2017  
 County Code:                      41  
 Air Basin:                         SF  
 Facility ID:                        106680  
 Air District Name:                BA  
 SIC Code:                         5411  
 Air District Name:                BAY AREA AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 0.3043338  
 Reactive Organic Gases Tons/Yr: 0.3043338  
 Carbon Monoxide Emissions Tons/Yr: Not reported  
 NOX - Oxides of Nitrogen Tons/Yr: Not reported  
 SOX - Oxides of Sulphur Tons/Yr: Not reported  
 Particulate Matter Tons/Yr: Not reported  
 Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name:                              MOSS BEACH CHEVRON  
 Address:                            9400 CABRILLO HWY  
 City,State,Zip:                  MOSS BEACH, CA 94038  
 Year:                                2018  
 County Code:                      41  
 Air Basin:                         SF  
 Facility ID:                        106680  
 Air District Name:                BA  
 SIC Code:                         5541  
 Air District Name:                BAY AREA AQMD  
 Community Health Air Pollution Info System: Not reported  
 Consolidated Emission Reporting Rule: Not reported  
 Total Organic Hydrocarbon Gases Tons/Yr: 0.3043338  
 Reactive Organic Gases Tons/Yr: 0.3043338

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Carbon Monoxide Emissions Tons/Yr: Not reported  
NOX - Oxides of Nitrogen Tons/Yr: Not reported  
SOX - Oxides of Sulphur Tons/Yr: Not reported  
Particulate Matter Tons/Yr: Not reported  
Part. Matter 10 Micrometers and Smllr Tons/Yr:Not reported

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
City,State,Zip: MOSS BEACH, CA 94038  
Year: 2019  
County Code: 41  
Air Basin: SF  
Facility ID: 106680  
Air District Name: BA  
SIC Code: 5541  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.3043338  
Reactive Organic Gases Tons/Yr: 0.3043338  
Carbon Monoxide Emissions Tons/Yr: Not reported  
NOX - Oxides of Nitrogen Tons/Yr: Not reported  
SOX - Oxides of Sulphur Tons/Yr: Not reported  
Particulate Matter Tons/Yr: Not reported  
Part. Matter 10 Micrometers and Smllr Tons/Yr:Not reported

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
City,State,Zip: MOSS BEACH, CA 94038  
Year: 2020  
County Code: 41  
Air Basin: SF  
Facility ID: 106680  
Air District Name: BA  
SIC Code: 5541  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.275442722  
Reactive Organic Gases Tons/Yr: 0.275442722  
Carbon Monoxide Emissions Tons/Yr: Not reported  
NOX - Oxides of Nitrogen Tons/Yr: Not reported  
SOX - Oxides of Sulphur Tons/Yr: Not reported  
Particulate Matter Tons/Yr: Not reported  
Part. Matter 10 Micrometers and Smllr Tons/Yr:Not reported

**HAZNET:**

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 94038  
Contact: GENA LONG  
Telephone: 6507264402  
Mailing Name: Not reported  
Mailing Address: PO BOX 158

Year: 2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Gepaid: CAL000277862  
TSD EPA ID: UTD981552177  
CA Waste Code: 223 - Unspecified oil-containing waste  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.4

Year: 2014  
Gepaid: CAL000277862  
TSD EPA ID: UTD981552177  
CA Waste Code: 223 - Unspecified oil-containing waste  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.4

Year: 2004  
Gepaid: CAL000277862  
TSD EPA ID: CAD980887418  
CA Waste Code: 221 - Waste oil and mixed oil  
Disposal Method: R01 - Recycler  
Tons: 0.38

Additional Info:

Year: 2015  
Gen EPA ID: CAL000277862

Shipment Date: 20151113  
Creation Date: 6/11/2016 18:30:14  
Receipt Date: 20151208  
Manifest ID: 005033410SKS  
Trans EPA ID: TXR000081205  
Trans Name: SAFETY-KLEEN SYSTEMS INC  
Trans 2 EPA ID: AZR000513770  
Trans 2 Name: SLT  
TSD EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSD EPA Alt EPA ID: Not reported  
TSD EPA Alt Name: Not reported  
Waste Code Description: 223 - Unspecified oil-containing waste  
RCRA Code: D018  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.4  
Waste Quantity: 800  
Quantity Unit: P  
Additional Code 1: D008  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2014  
Gen EPA ID: CAL000277862

Shipment Date: 20140604  
Creation Date: 11/12/2014 22:15:05  
Receipt Date: 20140623

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Manifest ID: 004258999SKS  
Trans EPA ID: TXR000081205  
Trans Name: SAFETY-KLEEN SYSTEMS INC  
Trans 2 EPA ID: AZR000513770  
Trans 2 Name: SLT  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 223 - Unspecified oil-containing waste  
RCRA Code: D018  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.4  
Waste Quantity: 800  
Quantity Unit: P  
Additional Code 1: D008  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**Additional Info:**

Year: 2004  
Gen EPA ID: CAL000277862

Shipment Date: 20040217  
Creation Date: 8/23/2004 8:25:08  
Receipt Date: 20040219  
Manifest ID: 22208011  
Trans EPA ID: CAD981377633  
Trans Name: ALL PETROLEUM RECOVERY SERVICE LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
Waste Code Description: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Meth Code: R01 - Recycler  
Quantity Tons: 0.38  
Waste Quantity: 100  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**CERS:**

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
City,State,Zip: MOSS BEACH, CA 94038  
Site ID: 397866  
CERS ID: 10465183  
CERS Description: Chemical Storage Facilities



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Violations:

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-07-2018  
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665  
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.  
Violation Notes: Returned to compliance on 06/08/2018. OBSERVATION: Owner/Operator did not install or maintain spill bucket which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, or is resistant to galvanic corrosion. CORRECTIVE ACTION: Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification. 91 BUCKET FAILED AND WAS CORRECTED ON SITE. THE 91 BUCKET TESTING FAILED DUE TO A DEFECTIVE DRAIN VALVE. THE DIESEL BUCKET FAILED DUE TO A LEAKING ADAPTER.  
Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 08-07-2020  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.  
Violation Notes: Returned to compliance on 12/24/2020. OBSERVATION: Last documented hazardous material/safety training was conducted 6/6/17. The training form from 11/13/19 is an official state form and is specific to the Underground Storage Tanks, and does not explicitly cover aspects of training that would apply due to the propane storage tank. REQUIRED ACTION: Perform/document safety training for all employees, at a minimum including emergency response plans and procedures in the event of a release or threatened release of a hazardous material, notification procedures of appropriate parties and emergency response personnel, procedures for mitigation of a release or threatened release, and evacuation plans and procedures for the business site. Submit documentation to the San Mateo County CUPA demonstrating that all employees have received training. Ensure that initial and annual refresher training records for all employees are retained for a minimum of three years.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Violation Date: 08-07-2020  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.  
Violation Notes: Returned to compliance on 09/29/2020. OBSERVATION: Last full HMBP submission was on 3/2/19. REQUIRED ACTION: Re certify your HMBP through the California Environmental Reporting system (CERS) at <http://cers.calepa.ca.gov/>. Ensure that this is done annually.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-12-2015  
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)  
Violation Description: Failure to install an automatic line leak detector capable of shutting off the pump when a release occurs, fails, or is disconnected.  
Violation Notes: Returned to compliance on 06/15/2015. Diesel MLLD syphon check valve is not functioning and there is air in the line. Will replace and retest at a later date.  
Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-10-2016  
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)  
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.  
Violation Notes: Returned to compliance on 06/14/2016. Spill bucket for premium fuel failed to hold liquid during the 1 hour leak test. Please repair or replace within 30 days.  
Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-08-2020  
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2  
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "  
Violation Notes: Returned to compliance on 06/10/2020. OBSERVATION: The middle tank's

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MOSS BEACH CHEVRON (Continued)

S113129936

spill bucket did not pass the tightness test. Technician indicated the likely reason is a damaged fill adapter REQUIRED ACTION: Repair or replace the damaged equipment, so the spill bucket can pass the tightness test. Please notify the department 48 hours prior to re-test. REQUIRED ACTION

Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 05-31-2019  
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)

Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.

Violation Notes: Returned to compliance on 05/31/2019. OBSERVATION: Owner/Operator did not maintain leak detection equipment with an audible and visual alarm. CORRECTIVE ACTION: Maintain leak detection equipment with an audible and visual alarm. The wires were all crossed for the turbine sumps. (For example the 91 sump sensor shut down the diesel turbine etc).According to the tech another company worked on the dispensers and messed things up. The tech (John Courant) was able to fix all the programming and then all tested and passed.

Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 05-31-2019  
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 11/12/2019. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verify

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

compliance. Maintain all testing records for 36 months. 87 spill bucket does not meet the 5 gallon [Truncated]

Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-10-2016  
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)  
Violation Description: Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.  
Violation Notes: Returned to compliance on 06/14/2016. 208 sensor in diesel turbine piping sump failed to activate alarm and shutdown turbine flow of fuel. Replace sensor and documnet retest with San Mateo County EH inspector < 30 days.

Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Site ID: 397866  
Site Name: Moss Beach Chevron  
Violation Date: 06-07-2018  
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)  
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.  
Violation Notes: Returned to compliance on 06/07/2018. OBSERVATION: Owner/Operator did not maintain leak detection equipment with an audible and visual alarm. CORRECTIVE ACTION: Maintain leak detection equipment with an audible and visual alarm. THE 91GRADE 420 ANNULAR SENSOR DID NOT WORK. CORRECTED DURING INSPECTION.

Violation Division: San Mateo County Environmental Health  
Violation Program: UST  
Violation Source: CERS,

Evaluation:  
Eval General Type: Other/Unknown  
Eval Date: 02-26-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 04-15-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval General Type: Other/Unknown  
Eval Date: 05-12-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 05-22-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-03-2022  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: the latest UST information package was submitted on 3/4/2022 vis cers  
The latest SB989 testing was conducted on 10/15/2021. The latest  
Overfill device testing was performed on 1-/15/2021  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-06-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-06-2017  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: BOE # 44038650 INSTALLATION - 6/1/1991 87 GRADE, 91 AND DIESEL ALL -  
UST - DBL WALL STEEL MODERN WELDING 10,000 GAL - FLAPPER - PIPE DBL  
WALL FIBERGLASS MONITORING TLS 350 UST - 420 PIPE 208 LD 2000 UDC'S -  
STAND ALONE 212001 MONITOR PLAN UPDATED TODAY. FE PETRO LLD ON 87 AND  
91 - PLAN SHOWED LD2000 - THIS WAS NOT CORRECT.  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 03-10-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 03-10-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-03-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Here to follow up with Tech John Courant regarding spill buckets. He replaced the nipple on the 87 bucket to a shorter one in hope it would increase the volume enough to hold gallons. The nipple was replaced, yet the 87 bucket was short of 5 gallons. The 91 and diesel buckets were evaluated again and they will not hold 5 gallons. All three spill buckets will need to be replaced with buckets that will hold 5 gallons of liquid.  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-03-2022  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Waste generated at the facility: Spent absorbent materials - stored in a 15 gallon container Spent fuel filters - stored in a 5 gallon bucket SB989 testing water Diesel fuel clean up residue  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-05-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-07-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Date: 06-10-2016  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-12-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-16-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-28-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-07-2020  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 09-05-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-02-2014  
Violations Found: No  
Eval Type: Other, not routine, done by local agency

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-24-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: SB 989  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-08-2016  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 07-01-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: overfill, sb989, amc, spill bucket  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-25-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 11-27-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-31-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-05-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: SYSTEM INSTALLED 1991 - WATER WAS IN THE 91 ANNULAR SPACE.  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-06-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: HERE TO WITNESS RETESTING OF THE DIESEL SPILL BUCKET AFTER REPAIR. THE BUCKET PASSED TESTING.  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-2020  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-10-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with Joe Freitas from KN Properties to conduct a Hazardous Materials Business Plan Program inspection. I inspected the hazardous materials and hazardous waste storage locations and I didn't observe any signs of a hazardous materials release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 01-29-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 01-30-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-26-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-01-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-04-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-05-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	UST
Eval Source:	CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-10-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with Joe Freitas from KN Properties to conduct a Hazardous Waste Generator Program inspection. I inspected the hazardous materials and hazardous waste storage locations and I didn't observe any signs of a hazardous waste release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-10-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with Joe Freitas from KN Properties to conduct a UST Program inspection. I inspected the visible UST equipment during the annual monitoring system certification and I didn't observe any signs of a fuel leak or unauthorized release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-10-2021  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-11-2015  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-12-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 06-14-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 07-08-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 08-08-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: sb989, overfill  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 09-19-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-01-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 11-12-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: All Spill Buckets: Here to inspect installation, leak testing an capacity. All three buckets were repalced. 1. The capacity for all buckets is 5 gallons. 2. The buckets passed INCON testing. John Courant ICC 8016997 exp 08/2020  
Eval Division: San Mateo County Environmental Health  
Eval Program: UST  
Eval Source: CERS,

Enforcement Action:  
Site ID: 397866  
Site Name: Moss Beach Chevron  
Site Address: 9400 CABRILLO HWY  
Site City: MOSS BEACH  
Site Zip: 94038

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Enf Action Date: 06-12-2015  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: Not reported  
Enf Action Division: San Mateo County Environmental Health  
Enf Action Program: UST  
Enf Action Source: CERS,

Coordinates:  
Site ID: 397866  
Facility Name: Moss Beach Chevron  
Env Int Type Code: HMBP  
Program ID: 10465183  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.,  
Latitude: 37.526120  
Longitude: -122.512130

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94403  
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Document Preparer  
Entity Name: joe freitas  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer  
Entity Name: JOE FREITAS  
Entity Title: MANAGER  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation  
Entity Name: K N Properties  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant  
Entity Name: joe freitas  
Entity Title: manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 726-4404,

Affiliation Type Desc: UST Property Owner Name  
Entity Name: KN Petroleum LLC  
Entity Title: Not reported  
Affiliation Address: P. O. Box 158  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: Environmental Contact  
Entity Name: Keet Nerhan  
Entity Title: Not reported  
Affiliation Address: PO Box 158  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Owner  
Entity Name: KN Petroleum LLC  
Entity Title: Not reported  
Affiliation Address: P. O. Box 158  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: Property Owner  
Entity Name: KN Petroleum LLC  
Entity Title: Not reported  
Affiliation Address: P. O. Box 158  
Affiliation City: half moon bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: P.O. Box 158

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner  
Entity Name: KN Petroleum LLC  
Entity Title: Not reported  
Affiliation Address: PO Box 158  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: Operator  
Entity Name: Kn Stations, LLC dba Moss Beach Chevron  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 726-4402,

Affiliation Type Desc: UST Tank Operator  
Entity Name: Kn Stations, LLC dba Moss Beach Chevron  
Entity Title: Not reported  
Affiliation Address: P. O. Box 158  
Affiliation City: half Moon Bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-4402,

**HWTS:**

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAL000277862  
Inactive Date: 06/30/2021  
Create Date: 01/07/2004  
Last Act Date: Not reported  
Mailing Name: Not reported  
Mailing Address: PO BOX 158  
Mailing Address 2: Not reported  
Mailing City,State,Zip: HALF MOON BAY, CA 940190158  
Owner Name: KEET NERHAN  
Owner Address: PO BOX 158  
Owner Address 2: Not reported  
Owner City,State,Zip: HALF MOON BAY, CA 940190158  
Contact Name: GENA LONG  
Contact Address: P.O. BOX 158  
Contact Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S113129936**

City,State,Zip: HALF MOON BAY, CA 94019  
Facility Status: Inactive  
Facility Type: PERMANENT  
Category: STATE  
Latitude: 37.527515  
Longitude: -122.513408

**NAICS:**

EPA ID: CAL000277862  
Create Date: 2004-01-07 13:28:10.510  
NAICS Code: 4471  
NAICS Description: Gasoline Stations  
Issued EPA ID Date: 2004-01-07 13:28:10.49300  
Inactive Date: Not reported  
Facility Name: MOSS BEACH CHEVRON  
Facility Address: 9400 CABRILLO HWY  
Facility Address 2: Not reported  
Facility City: MOSS BEACH  
Facility County: Not reported  
Facility State: CA  
Facility Zip: 94038

**B11**

**MOSS BEACH CHEVRON  
9400 CABRILLO HWY  
MOSS BEACH, CA 94038**

**UST U004266044  
N/A**

**< 1/8  
1 ft.**

**Site 8 of 10 in cluster B**

**Relative:  
Lower**

**UST:**

**Actual:  
58 ft.**

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
City,State,Zip: MOSS BEACH, CA 94038  
Facility ID: Not reported  
Permitting Agency: San Mateo County Environmental Health  
CERSID: 10465183  
Latitude: 37.5261200  
Longitude: -122.512130  
Owner type: Not reported  
Facility type: Not reported  
Num of inuse ust: Not reported  
Num of closed ust: Not reported  
Num of oos ust: Not reported  
Epa region: Not reported  
Tribal lands: Not reported  
Tank owner name: Not reported  
Tank owner mailing address: Not reported  
Tank owner mailing city: Not reported  
Tank owner mailing zip: Not reported  
Tank owner mailing state: Not reported  
Tank operator name: Not reported  
Tank operator mailing address: Not reported  
Tank operator mailing city: Not reported  
Tank operator mailing zip: Not reported  
Tank operator mailing state: Not reported  
Tankidnumber: Not reported  
Tank status: Not reported  
Tank configuration: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**U004266044**

Tank closure date: Not reported  
Tank installation date: Not reported  
Tank num of compartments: Not reported  
Tank contents: Not reported  
Tank capacity gallons: Not reported  
Tank type: Not reported  
Tank pc construction: Not reported  
Tank pwpiping construction: Not reported  
Tank piping type: Not reported  
Tank piping construction: Not reported  
Tank sacrificial anode: Not reported  
Tank cp impressed current: Not reported  
Tank cp shutoff: Not reported  
Tank alarms: Not reported  
Tank ball float: Not reported  
Tank spill bucket: Not reported

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO HWY  
City,State,Zip: MOSS BEACH, CA 94038  
Facility ID: Not reported  
Permitting Agency: San Mateo County Environmental Health  
CERSID: Not reported  
Latitude: 37.52612  
Longitude: -122.51213  
Owner type: Not reported  
Facility type: Not reported  
Num of inuse ust: Not reported  
Num of closed ust: Not reported  
Num of oos ust: Not reported  
Epa region: Not reported  
Tribal lands: Not reported  
Tank owner name: Not reported  
Tank owner mailing address: Not reported  
Tank owner mailing city: Not reported  
Tank owner mailing zip: Not reported  
Tank owner mailing state: Not reported  
Tank operator name: Not reported  
Tank operator mailing address: Not reported  
Tank operator mailing city: Not reported  
Tank operator mailing zip: Not reported  
Tank operator mailing state: Not reported  
Tankidnumber: Not reported  
Tank status: Not reported  
Tank configuration: Not reported  
Tank closure date: Not reported  
Tank installation date: Not reported  
Tank num of compartments: Not reported  
Tank contents: Not reported  
Tank capacity gallons: Not reported  
Tank type: Not reported  
Tank pc construction: Not reported  
Tank pwpiping construction: Not reported  
Tank piping type: Not reported  
Tank piping construction: Not reported  
Tank sacrificial anode: Not reported  
Tank cp impressed current: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**U004266044**

Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

**B12**

**MOSS BEACH CHEVRON  
 9400 CABRILLO  
 MOSS BEACH, CA 94038**

**LUST  
 San Mateo Co. BI  
 CERS**

**S102445214  
 N/A**

< 1/8  
 1 ft.

**Site 9 of 10 in cluster B**

**Relative:  
 Lower**

**SAN MATEO CO. LUST:**

**Actual:  
 58 ft.**

Name:	KN PROPERTY II
Address:	9500 HIGHWAY 1
City,State,Zip:	MOSS BEACH, CA
Region:	SAN MATEO
Facility ID:	230038
Facility Status:	9- Case Closed
Global ID:	Not reported
APN Number:	037171860
Case Type:	MOSS BEACH, CA
EDR Link ID:	MOSS BEACH, CA

Name:	KN PROPERTY II
Address:	9500 HIGHWAY 1
City,State,Zip:	MOSS BEACH, CA
Region:	SAN MATEO
Facility ID:	230016
Facility Status:	9- Case Closed
Global ID:	T0608101043
APN Number:	037171860
Case Type:	MOSS BEACH, CA
EDR Link ID:	MOSS BEACH, CA

**San Mateo Co. BI:**

Name:	MOSS BEACH CHEVRON
Address:	9400 CABRILLO
City,State,Zip:	MOSS BEACH, CA 94038
Region:	SAN MATEO
Facility ID:	FA0010001
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0022034
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Active, billable
Program Category:	UNDERGROUND TANK PROGRAM

Name:	MOSS BEACH CHEVRON
Address:	9400 CABRILLO
City,State,Zip:	MOSS BEACH, CA 94038
Region:	SAN MATEO
Facility ID:	FA0010001
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0028180
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	Active, billable
Program Category:	BUSINESS PLAN PROGRAM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH CHEVRON (Continued)**

**S102445214**

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0010001  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0044397  
Description: GENERATES <27 GAL/YEAR  
Facility Status: Inactive, non-billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: MOSS BEACH CHEVRON  
Address: 9400 CABRILLO  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0010001  
Prog Element Code: 3098  
Record Id: PR0039370  
Description: STORMWATER - WET SEASON  
Facility Status: Active, billable  
Program Category: STORMWATER

**CERS:**

Name: KN PROPERTY II - MTBE RELEASE  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Site ID: 200881  
CERS ID: T10000002799  
CERS Description: Leaking Underground Storage Tank Cleanup Site

Name: KN PROPERTY II  
Address: 9400 HIGHWAY 1  
City,State,Zip: MOSS BEACH, CA 94038  
Site ID: 234070  
CERS ID: T0608101043  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: BRIAN GWINN - SAN MATEO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: SAN MATEO  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 6502724590,

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**C13**      **FALVEY, MARTIN TR AND FALVEY, ELIZABETH TR**      **San Mateo Co. BI**      **S123183687**  
**SE**      **2385 CARLOS**           **N/A**  
 < 1/8      **MOSS BEACH, CA 94038**  
 0.009 mi.  
 48 ft.      **Site 1 of 10 in cluster C**

**Relative:**      San Mateo Co. BI:  
**Higher**      Name:      FALVEY, MARTIN TR AND FALVEY, ELIZABETH TR  
**Actual:**      Address:      2385 CARLOS  
**71 ft.**      City,State,Zip:      MOSS BEACH, CA 94038  
                  Region:      SAN MATEO  
                  Facility ID:      FA0055671  
                  Prog Element Code:      3098  
                  Record Id:      PR0076736  
                  Description:      STORMWATER - WET SEASON  
                  Facility Status:      Inactive, non-billable  
                  Program Category:      STORMWATER

**C14**      **BEACH CLEANER**      **EDR Hist Cleaner**      **1019936092**  
**SE**      **2385 CARLOS ST**           **N/A**  
 < 1/8      **MOSS BEACH, CA 94038**  
 0.009 mi.  
 48 ft.      **Site 2 of 10 in cluster C**

**Relative:**      EDR Hist Cleaner  
**Higher**  
**Actual:**      Year:      Name:      Type:  
**71 ft.**      1994      BEACH CLEANER      Drycleaning Plants, Except Rugs  
                  1995      BEACH CLEANER      Drycleaning Plants, Except Rugs  
                  1996      BEACH CLEANER      Drycleaning Plants, Except Rugs  
                  1997      BEACH CLEANER      Drycleaning Plants, Except Rugs

**C15**      **JOY OF BEING**      **San Mateo Co. BI**      **S123183140**  
**SE**      **2385 CARLOS**           **N/A**  
 < 1/8      **MOSS BEACH, CA 94038**  
 0.009 mi.  
 48 ft.      **Site 3 of 10 in cluster C**

**Relative:**      San Mateo Co. BI:  
**Higher**      Name:      JOY OF BEING  
**Actual:**      Address:      2385 CARLOS  
**71 ft.**      City,State,Zip:      MOSS BEACH, CA 94038  
                  Region:      SAN MATEO  
                  Facility ID:      FA0051295  
                  Prog Element Code:      4586  
                  Record Id:      PR0071108  
                  Description:      MESSAGE ESTABLISHMENTS PER HOUR RATE  
                  Facility Status:      Temporarily inactive, non-billable  
                  Program Category:      MEDICAL WASTE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**C16**      **BLUE BUILDING**  
**SE**        **2355 CARLOS**  
**< 1/8**     **MOSS BEACH, CA 94038**  
**0.009 mi.**  
**48 ft.**     **Site 4 of 10 in cluster C**

**San Mateo Co. BI**    **S123183841**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**        Name:                    BLUE BUILDING  
                    Address:                2355 CARLOS  
**Actual:**        City,State,Zip:        MOSS BEACH, CA 94038  
**70 ft.**            Region:                    SAN MATEO  
                    Facility ID:              FA0057067  
                    Prog Element Code:    3098  
                    Record Id:              PR0079145  
                    Description:            STORMWATER - WET SEASON  
                    Facility Status:        Inactive, non-billable  
                    Program Category:     STORMWATER

**C17**      **ODYSSEY PIZZERIA & CAFE**  
**SE**        **2350 CARLOS**  
**< 1/8**     **MOSS BEACH, CA 94038**  
**0.009 mi.**  
**48 ft.**     **Site 5 of 10 in cluster C**

**San Mateo Co. BI**    **S123180012**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**        Name:                    ODYSSEY PIZZERIA & CAFE  
                    Address:                2350 CARLOS  
**Actual:**        City,State,Zip:        MOSS BEACH, CA 94038  
**71 ft.**            Region:                    SAN MATEO  
                    Facility ID:              FA0005380  
                    Prog Element Code:    3098  
                    Record Id:              PR0039359  
                    Description:            STORMWATER - WET SEASON  
                    Facility Status:        Active, billable  
                    Program Category:     STORMWATER

**C18**      **M B P O LTD**  
**ESE**       **2315 CARLOS**  
**< 1/8**     **MOSS BEACH, CA 94038**  
**0.009 mi.**  
**49 ft.**     **Site 6 of 10 in cluster C**

**San Mateo Co. BI**    **S123183686**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**        Name:                    M B P O LTD  
                    Address:                2315 CARLOS  
**Actual:**        City,State,Zip:        MOSS BEACH, CA 94038  
**72 ft.**            Region:                    SAN MATEO  
                    Facility ID:              FA0055670  
                    Prog Element Code:    3098  
                    Record Id:              PR0076735  
                    Description:            STORMWATER - WET SEASON  
                    Facility Status:        Inactive, non-billable  
                    Program Category:     STORMWATER

MAP FINDINGS
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Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>D19</b>	<b>SMITS, LOUIS C TR AND SMITS HELEN TR</b>	<b>San Mateo Co. BI</b>	<b>S123183685</b>
<b>ESE</b>	<b>2305 CARLOS</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94038</b>		
<b>0.009 mi.</b>			
<b>50 ft.</b>	<b>Site 1 of 2 in cluster D</b>		

<b>Relative:</b>	San Mateo Co. BI:	Name:	SMITS, LOUIS C TR AND SMITS HELEN TR
<b>Higher</b>		Address:	2305 CARLOS
<b>Actual:</b>		City,State,Zip:	MOSS BEACH, CA 94038
<b>73 ft.</b>		Region:	SAN MATEO
		Facility ID:	FA0055669
		Prog Element Code:	3098
		Record Id:	PR0076734
		Description:	STORMWATER - WET SEASON
		Facility Status:	Inactive, non-billable
		Program Category:	STORMWATER

<b>D20</b>	<b>HEALING MESSAGE</b>	<b>San Mateo Co. BI</b>	<b>S123183136</b>
<b>ESE</b>	<b>2305 CARLOS</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94025</b>		
<b>0.009 mi.</b>			
<b>50 ft.</b>	<b>Site 2 of 2 in cluster D</b>		

<b>Relative:</b>	San Mateo Co. BI:	Name:	HEALING MESSAGE
<b>Higher</b>		Address:	2305 CARLOS
<b>Actual:</b>		City,State,Zip:	MOSS BEACH, CA 94025
<b>73 ft.</b>		Region:	SAN MATEO
		Facility ID:	FA0051288
		Prog Element Code:	4586
		Record Id:	PR0071101
		Description:	MASSAGE ESTABLISHMENTS PER HOUR RATE
		Facility Status:	Inactive, non-billable
		Program Category:	MEDICAL WASTE

<b>C21</b>	<b>COASTSIDE AUTOMOTIVE</b>	<b>San Mateo Co. BI</b>	<b>S106981624</b>
<b>SE</b>	<b>500 CALIFORNIA</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94038</b>		
<b>0.011 mi.</b>			
<b>60 ft.</b>	<b>Site 7 of 10 in cluster C</b>		

<b>Relative:</b>	San Mateo Co. BI:	Name:	COASTSIDE AUTOMOTIVE
<b>Higher</b>		Address:	500 CALIFORNIA
<b>Actual:</b>		City,State,Zip:	MOSS BEACH, CA 94038
<b>70 ft.</b>		Region:	SAN MATEO
		Facility ID:	FA0022479
		Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT
		Record Id:	PR0024576
		Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
		Facility Status:	Inactive, non-billable
		Program Category:	HAZARDOUS WASTE PROGRAM
		Name:	COASTSIDE AUTOMOTIVE
		Address:	500 CALIFORNIA
		City,State,Zip:	MOSS BEACH, CA 94038
		Region:	SAN MATEO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COASTSIDE AUTOMOTIVE (Continued)**

**S106981624**

Facility ID: FA0022479  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0024577  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: Inactive, non-billable  
Program Category: BUSINESS PLAN PROGRAM

**C22**  
**SE**  
**< 1/8**  
**0.011 mi.**  
**60 ft.**

**BORTOLOTTI, DAN & LINDA TRS**  
**500 CALIFORNIA**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI**

**S123183688**

**N/A**

**Site 8 of 10 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**70 ft.**

San Mateo Co. BI:  
Name: BORTOLOTTI, DAN & LINDA TRS  
Address: 500 CALIFORNIA  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0055672  
Prog Element Code: 3098  
Record Id: PR0076737  
Description: STORMWATER - WET SEASON  
Facility Status: Inactive, non-billable  
Program Category: STORMWATER

**C23**  
**SE**  
**< 1/8**  
**0.011 mi.**  
**60 ft.**

**SAN MATEO CO SHERIFFS OFFICE**  
**500 CALIFORNIA**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI**

**S123182339**

**N/A**

**Site 9 of 10 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**70 ft.**

San Mateo Co. BI:  
Name: SAN MATEO CO SHERIFFS OFFICE  
Address: 500 CALIFORNIA  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0038537  
Prog Element Code: COMMON STORAGE (1-199 LBS/MO.)  
Record Id: PR0054973  
Description: SQG COMMON STORAGE AREA FAC (1-199 LB/MO)  
Facility Status: Inactive, non-billable  
Program Category: MEDICAL WASTE  
  
Name: SAN MATEO CO SHERIFFS OFFICE  
Address: 500 CALIFORNIA  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0038537  
Prog Element Code: LIMITED MEDICAL WASTE HAULER EXEMPTION  
Record Id: PR0054972  
Description: SQG WITH TRANSPORT  
Facility Status: Inactive, non-billable  
Program Category: MEDICAL WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E24**  
**SSE**  
**< 1/8**  
**0.012 mi.**  
**62 ft.**  
**KN PROPERTY II**  
**9500 CABRILLO**  
**MOSS BEACH, CA 94038**  
**Site 1 of 4 in cluster E**

**HIST CORTESE** **S104493873**  
**N/A**

**Relative:** HIST CORTESE:  
**Lower** edr\_fname: KN PROPERTY II  
edr\_fadd1: 9500 CABRILLO  
**Actual:** City,State,Zip: MOSS BEACH, CA 94038  
**62 ft.** Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-1136

**E25**  
**SSE**  
**< 1/8**  
**0.012 mi.**  
**62 ft.**  
**MOSS BEACH BEACON**  
**9500 CABRILLO HWY**  
**MOSS BEACH, CA 94038**  
**Site 2 of 4 in cluster E**

**LUST** **S103472760**  
**SWEEPS UST** **N/A**

**Relative:** LUST REG 2:  
**Lower** Region: 2  
Facility Id: Not reported  
**Actual:** Facility Status: Post remedial action monitoring  
**62 ft.** Case Number: 230016  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: 1/1/1965

**SWEEPS UST:**  
Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Not reported  
Comp Number: 10010  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000005  
Tank Status: Not reported  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: LEADED  
Number Of Tanks: 4



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH BEACON (Continued)**

**S103472760**

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Not reported  
Comp Number: 10010  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000006  
Tank Status: Not reported  
Capacity: 6000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Not reported  
Comp Number: 10010  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000007  
Tank Status: Not reported  
Capacity: 6000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Not reported  
Comp Number: 10010  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000008  
Tank Status: Not reported  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH BEACON (Continued)**

**S103472760**

Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 04-06-94  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: 7

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 04-06-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000003  
Tank Status: A  
Capacity: 6000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH BEACON (Continued)**

**S103472760**

Active Date: 04-06-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010010-000004  
Tank Status: A  
Capacity: 6000  
Active Date: 04-06-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-010010-000009  
Tank Status: A  
Capacity: 10000  
Active Date: 07-09-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: UNK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOSS BEACH BEACON (Continued)**

**S103472760**

SWRCB Tank Id: 41-000-010010-000010  
Tank Status: A  
Capacity: 10000  
Active Date: 07-09-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Name: MOSS BEACH BEACON  
Address: 9500 CABRILLO HWY  
City: MOSS BEACH  
Status: Active  
Comp Number: 10010  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 05-13-94  
Action Date: 05-13-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-010010-000011  
Tank Status: A  
Capacity: 10000  
Active Date: 07-09-92  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

**E26**  
**SSE**  
**< 1/8**  
**0.012 mi.**  
**62 ft.**

**NERHAN KEET**  
**9500 CABRILLO HWY**  
**MOSS BEACH, CA 94038**

**EDR Hist Auto** **1021004167**  
**N/A**

**Site 3 of 4 in cluster E**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
**62 ft.**

Year: Name:  
1992 NERHAN KEET

Type:  
Gasoline Service Stations

**B27**  
**SE**  
**< 1/8**  
**0.017 mi.**  
**88 ft.**

**COASTSIDE MARKET INC**  
**501 VIRGINIA**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI** **S123179458**  
**N/A**

**Site 10 of 10 in cluster B**

**Relative:**  
**Higher**

San Mateo Co. BI:

**Actual:**  
**70 ft.**

Name: COASTSIDE MARKET INC  
Address: 501 VIRGINIA  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0001260  
Prog Element Code: 3098  
Record Id: PR0039385  
Description: STORMWATER - WET SEASON  
Facility Status: Active, billable

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COASTSIDE MARKET INC (Continued)

S123179458

Program Category: STORMWATER

C28  
ESE  
< 1/8  
0.038 mi.  
200 ft.

AT&T CALIFORNIA - PC004  
740 ETHELDORE  
MOSS BEACH, CA 94038

San Mateo Co. BI S102268446  
N/A

Site 10 of 10 in cluster C

Relative:  
Higher  
Actual:  
82 ft.

San Mateo Co. BI:

Name: AT&T CALIFORNIA - PC004  
Address: 740 ETHELDORE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0007547  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0089696  
Description: GENERATES <27 GAL/YEAR  
Facility Status: Active, billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: AT&T CALIFORNIA - PC004  
Address: 740 ETHELDORE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0007547  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0063422  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: Inactive, non-billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: AT&T CALIFORNIA - PC004  
Address: 740 ETHELDORE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0007547  
Prog Element Code: 3098  
Record Id: PR0039361  
Description: STORMWATER - WET SEASON  
Facility Status: Active, billable  
Program Category: STORMWATER

Name: AT&T CALIFORNIA - PC004  
Address: 740 ETHELDORE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0007547  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0003254  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: Active, billable  
Program Category: BUSINESS PLAN PROGRAM

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E29**  
**SSE**  
 < 1/8  
 0.038 mi.  
 203 ft.

**MIKE WATERS**  
**451 LANCASTER BOULEVARD**  
**MOSS BEACH, CA 94038**

**RCRA NonGen / NLR**

**1027526712**  
**CAC003219351**

**Site 4 of 4 in cluster E**

**Relative:**  
**Lower**  
**Actual:**  
**59 ft.**

RCRA Listings:	
Date Form Received by Agency:	20230223
Handler Name:	Mike Waters
Handler Address:	451 LANCASTER BOULEVARD
Handler City,State,Zip:	MOSS BEACH, CA 94038
EPA ID:	CAC003219351
Contact Name:	MIKE WATERS
Contact Address:	451 LANCASTER BOULEVARD
Contact City,State,Zip:	MOSS BEACH, CA 94038
Contact Telephone:	415-559-2705
Contact Fax:	Not reported
Contact Email:	CHELSEY@ENV-REM.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	451 LANCASTER BOULEVARD
Mailing City,State,Zip:	MOSS BEACH, CA 94038
Owner Name:	Mike Waters
Owner Type:	Other
Operator Name:	Mike Waters
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIKE WATERS (Continued)**

**1027526712**

Human Exposure Controls Indicator: N/A  
Groundwater Controls Indicator: N/A  
Significant Non-Complier Universe: No  
Unaddressed Significant Non-Complier Universe: No  
Addressed Significant Non-Complier Universe: No  
Significant Non-Complier With a Compliance Schedule Universe: No  
Financial Assurance Required: Not reported  
Handler Date of Last Change: 20230223  
Recognized Trader-Importer: No  
Recognized Trader-Exporter: No  
Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: No  
Manifest Broker: No  
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: MIKE WATERS  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 451 LANCASTER BOULEVARD  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: 415-559-2705  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: MIKE WATERS  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 451 LANCASTER BOULEVARD  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: 415-559-2705  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20230223  
Handler Name: MIKE WATERS  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MIKE WATERS (Continued)**

**1027526712**

List of NAICS Codes and Descriptions:

NAICS Code: 56299  
 NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**F30**  
**SE**  
**< 1/8**  
**0.040 mi.**  
**212 ft.**

**ST. CATHERINE HOSPITAL**  
**MARINE BLVD AT ETHELDORE**  
**MOSS BEACH, CA 94038**

**RCRA-SQG 1000106333**  
**CAD982472276**

**Site 1 of 2 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**72 ft.**

RCRA Listings:  
 Date Form Received by Agency: 19880523  
 Handler Name: St. Catherine Hospital  
 Handler Address: MARINE BLVD AT ETHELDORE  
 Handler City,State,Zip: MOSS BEACH, CA 94038  
 EPA ID: CAD982472276  
 Contact Name: ENVIRONMENTAL MANAGER  
 Contact Address: MARINE BLVD AT ETHELDORE  
 Contact City,State,Zip: HALF MOON BAY, CA 94038  
 Contact Telephone: 415-991-6431  
 Contact Fax: Not reported  
 Contact Email: Not reported  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Other  
 Federal Waste Generator Description: Small Quantity Generator  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: CA  
 State District: 2  
 Mailing Address: MARINE BLVD AT ETHELDORE  
 Mailing City,State,Zip: MOSS BEACH, CA 94038  
 Owner Name: Daughters Of Charity  
 Owner Type: Private  
 Operator Name: Not Required  
 Operator Type: Private  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No  
 Underground Injection Control: No  
 Off-Site Waste Receipt: No  
 Universal Waste Indicator: No



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ST. CATHERINE HOSPITAL (Continued)**

**1000106333**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DAUGHTERS OF CHARITY	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ST. CATHERINE HOSPITAL (Continued)**

**1000106333**

Historic Generators:  
 Receive Date: 19880523  
 Handler Name: ST. CATHERINE HOSPITAL  
 Federal Waste Generator Description: Small Quantity Generator  
 State District Owner: CA  
 Large Quantity Handler of Universal Waste: No  
 Recognized Trader Importer: No  
 Recognized Trader Exporter: No  
 Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:  
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:  
 Violations: No Violations Found

Evaluation Action Summary:  
 Evaluations: No Evaluations Found

31  
 SSE  
 < 1/8  
 0.043 mi.  
 229 ft.

**HAJDU, GOBER**  
**450 CYPRESS AVENUE**  
**MOSS BEACH, CA 94038**

**RCRA NonGen / NLR 1026053307**  
**CAC003060206**

**Relative:**  
**Lower**  
**Actual:**  
**61 ft.**

RCRA Listings:  
 Date Form Received by Agency: 20200316  
 Handler Name: Hajdu, Gober  
 Handler Address: 450 CYPRESS AVENUE  
 Handler City,State,Zip: MOSS BEACH, CA 94038  
 EPA ID: CAC003060206  
 Contact Name: HAJDU, GOBER  
 Contact Address: 450 CYPRESS AVENUE  
 Contact City,State,Zip: MOSS BEACH, CA 94038  
 Contact Telephone: 408-394-6645  
 Contact Fax: Not reported  
 Contact Email: ROSAMARTINEZ@ALLIANCE-ENVIRO.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Not reported  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 450 CYPRESS AVENUE  
 Mailing City,State,Zip: MOSS BEACH, CA 94038  
 Owner Name: Hajdu, Gober  
 Owner Type: Other

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HAJDU, GOBER (Continued)**

**1026053307**

Operator Name:	Hajdu, Gober
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200320
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name: HAJDU, GOBER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	450 CYPRESS AVENUE
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	408-394-6645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HAJDU, GOBER (Continued)**

**1026053307**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HAJDU, GOBER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	450 CYPRESS AVENUE
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	408-394-6645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200316
Handler Name:	HAJDU, GOBER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
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Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

**G32**  
**NNW**  
 < 1/8  
 0.046 mi.  
 245 ft.

**POINT MONTARA FIRE PROTECTION**  
**501 STETSON STREET**  
**MOSS BEACH, CA 94038**  
 Site 1 of 5 in cluster G

**HIST UST**    **U001594288**  
 N/A

**Relative:**  
**Higher**

<b>HIST UST:</b>	
Name:	POINT MONTARA FIRE PROTECTION
Address:	501 STETSON STREET
City,State,Zip:	MOSS BEACH, CA 94038
File Number:	0002c189
URL:	<a href="https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c189.pdf">https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c189.pdf</a>
Region:	STATE
Facility ID:	00000036032
Facility Type:	Other
Other Type:	FIRE STATION
Contact Name:	Not reported
Telephone:	4157283022
Owner Name:	POINT MONTARA FIRE PROTECTION

**Actual:**  
 126 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT MONTARA FIRE PROTECTION (Continued)**

**U001594288**

Owner Address: 501 STETSON STREET  
Owner City,St,Zip: MOSS BEACH, CA 94038  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**G33  
NNW  
< 1/8  
0.046 mi.  
245 ft.**

**FUEL OIL SYSTEMS  
501 STETSON STREET  
MOSS BEACH, CA 94038**

**RCRA NonGen / NLR 1026822917  
CAC003135897**

**Site 2 of 5 in cluster G**

**Relative:  
Higher  
Actual:  
126 ft.**

RCRA Listings:  
Date Form Received by Agency: 20210824  
Handler Name: Fuel Oil Systems  
Handler Address: 501 STETSON STREET  
Handler City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAC003135897  
Contact Name: CECELIA CLARY  
Contact Address: 501 STETSON STREET  
Contact City,State,Zip: MOSS BEACH, CA 94038  
Contact Telephone: 925-556-5424  
Contact Fax: Not reported  
Contact Email: JPARWIZ@ALLCLEANHAZ.COM  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 17500 MURPHY PARKWAY  
Mailing City,State,Zip: LATHROP, CA 95330  
Owner Name: Fuel Oil Systems Inc.  
Owner Type: Other  
Operator Name: Cecelia Clary  
Operator Type: Other

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FUEL OIL SYSTEMS (Continued)**

**1026822917**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210824
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name: FUEL OIL SYSTEMS INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17500 MURPHY PARKWAY
Owner/Operator City,State,Zip:	LATHROP, CA 95330
Owner/Operator Telephone:	925-556-5424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CECELIA CLARY	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FUEL OIL SYSTEMS (Continued)**

**1026822917**

Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 501 STETSON STREET  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: 925-556-5424  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210824  
Handler Name: FUEL OIL SYSTEMS  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 238120  
NAICS Description: STRUCTURAL STEEL AND PRECAST CONCRETE CONTRACTORS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**G34**  
**NNW**  
**< 1/8**  
**0.046 mi.**  
**245 ft.**

**COASTSIDE FIRE DISTRICT, EL GRANADA**  
**501 STETSON**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI** **S102802786**  
**CERS** **N/A**

**Site 3 of 5 in cluster G**

**Relative:**  
**Higher**  
**Actual:**  
**126 ft.**

San Mateo Co. BI:  
Name: COASTSIDE FIRE DISTRICT, EL GRANADA  
Address: 501 STETSON  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0022360  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0034529  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: Active, billable  
Program Category: BUSINESS PLAN PROGRAM  
  
Name: COASTSIDE FIRE DISTRICT, EL GRANADA  
Address: 501 STETSON  
City,State,Zip: MOSS BEACH, CA 94038

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COASTSIDE FIRE DISTRICT, EL GRANADA (Continued)**

**S102802786**

Region: SAN MATEO  
Facility ID: FA0022360  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0024051  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: Inactive, non-billable  
Program Category: UNDERGROUND TANK PROGRAM

Name: COASTSIDE FIRE DISTRICT, EL GRANADA  
Address: 501 STETSON  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0022360  
Prog Element Code: 3098  
Record Id: PR0048546  
Description: STORMWATER - WET SEASON  
Facility Status: Active, billable  
Program Category: STORMWATER

**CERS:**

Name: COASTSIDE FIRE DISTRICT, EL GRANADA  
Address: 501 STETSON  
City,State,Zip: MOSS BEACH, CA 94038  
Site ID: 107166  
CERS ID: 10066693  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 107166  
Site Name: COASTSIDE FIRE DISTRICT, EL GRANADA  
Violation Date: 09-05-2018  
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)  
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.  
Violation Notes: Returned to compliance on 12/18/2018. Patrick Griffin (Patrick.Griffin@fire.ca.gov), The environmental contact needs to be updated in <https://ehesubmit.smchealth.org>. I have issued you a username and password for ehesubmit.smchealth.org Feel free to contact me for guidance, it is always a pleasure to assist. Robert Reed 650-464-7079  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

**Evaluation:**

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-02-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: My computer would not boot, so I could not obtain signatures.  
Eval Division: San Mateo County Environmental Health



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COASTSIDE FIRE DISTRICT, EL GRANADA (Continued)

S102802786

Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-05-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	04-15-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Hmbp inspection and discussion on portal and CERS with personnel.
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-18-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-29-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	10-05-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	San Mateo County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COASTSIDE FIRE DISTRICT, EL GRANADA (Continued)

S102802786

Eval General Type: Other/Unknown  
Eval Date: 04-21-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 12-18-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-19-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: I stopped by Coastside Fire Station 44 to conduct the initial Hazardous Materials Business Plan Program inspection. The fire dept personnel were not at the station and I inspected the diesel fuel storage system located in the driveway. The fuel storage area appeared clean with no signs of a fuel release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 08-22-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-22-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 11-29-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COASTSIDE FIRE DISTRICT, EL GRANADA (Continued)

S102802786

Affiliation:

Affiliation Type Desc: Environmental Contact  
Entity Name: Brian Pottenger  
Entity Title: Not reported  
Affiliation Address: 1191 Main St.  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1191 MAIN ST  
Affiliation City: HALF MOON BAY  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner  
Entity Name: COASTSIDE FIRE DISTRICT, MOSS  
Entity Title: Not reported  
Affiliation Address: 501 STETSON  
Affiliation City: MOSS BEACH  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94038  
Affiliation Phone: (650) 728-3022,

Affiliation Type Desc: Parent Corporation  
Entity Name: COASTSIDE FIRE DISTRICT, MOSS BEACH  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Property Owner  
Entity Name: Coastside Fire  
Entity Title: Not reported  
Affiliation Address: 1191 Main St  
Affiliation City: Half Moon Bay  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 726-5213,

Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COASTSIDE FIRE DISTRICT, EL GRANADA (Continued)**

**S102802786**

Affiliation Country: Not reported  
 Affiliation Zip: 94403  
 Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Document Preparer  
 Entity Name: Brian Pottenger  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: ,

Affiliation Type Desc: Operator  
 Entity Name: Coastside fire District  
 Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: (650) 728-3022,

Affiliation Type Desc: Identification Signer  
 Entity Name: Brian Pottenger  
 Entity Title: BC  
 Affiliation Address: Not reported  
 Affiliation City: Not reported  
 Affiliation State: Not reported  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: ,

**G35  
 NNW  
 < 1/8  
 0.046 mi.  
 245 ft.**

**STATION 44  
 501 STETSON  
 MOSS BEACH, CA 94038  
 Site 4 of 5 in cluster G**

**San Mateo Co. BI S123182015  
 N/A**

**Relative:  
 Higher  
 Actual:  
 126 ft.**

San Mateo Co. BI:  
 Name: STATION 44  
 Address: 501 STETSON  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0029274  
 Prog Element Code: SML QUANTITY GENERATOR(1-199lbs/Mo) OFF-SITE  
 Record Id: PR0049665  
 Description: SQG OFF-SITE TREATMENT (1-199 LB/MO)  
 Facility Status: Inactive, non-billable  
 Program Category: MEDICAL WASTE

Name: STATION 44  
 Address: 501 STETSON  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0029274

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STATION 44 (Continued)**

**S123182015**

Prog Element Code: LIMITED MEDICAL WASTE HAULER EXEMPTION  
Record Id: PR0049666  
Description: SQG WITH TRANSPORT  
Facility Status: Inactive, non-billable  
Program Category: MEDICAL WASTE

**G36  
NNW  
< 1/8  
0.046 mi.  
245 ft.**

**FUEL OIL SYSTEMS  
501 STETSON STREET  
MOSS BEACH, CA 95330**

**RCRA NonGen / NLR 1026822900  
CAC003135880**

**Site 5 of 5 in cluster G**

**Relative:  
Higher  
Actual:  
126 ft.**

RCRA Listings:  
Date Form Received by Agency: 20210824  
Handler Name: Fuel Oil Systems  
Handler Address: 501 STETSON STREET  
Handler City,State,Zip: MOSS BEACH, CA 95330  
EPA ID: CAC003135880  
Contact Name: CECELIA CLARY  
Contact Address: 501 STETSON STREET  
Contact City,State,Zip: MOSS BEACH, CA 95330  
Contact Telephone: 925-556-5424  
Contact Fax: Not reported  
Contact Email: JPARWIZ@ALLCLEANHAZ.COM  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 17500 MURPHY PARKWAY  
Mailing City,State,Zip: LATHROP, CA 95330  
Owner Name: Fuel Oil Systems Inc.  
Owner Type: Other  
Operator Name: Cecelia Clary  
Operator Type: Other  
Short-Term Generator Activity: No  
Importer Activity: No  
Mixed Waste Generator: No  
Transporter Activity: No  
Transfer Facility Activity: No  
Recycler Activity with Storage: No  
Small Quantity On-Site Burner Exemption: No  
Smelting Melting and Refining Furnace Exemption: No  
Underground Injection Control: No  
Off-Site Waste Receipt: No  
Universal Waste Indicator: No  
Universal Waste Destination Facility: No  
Federal Universal Waste: No  
Active Site State-Reg Handler: ---  
Federal Facility Indicator: Not reported  
Hazardous Secondary Material Indicator: N  
Sub-Part K Indicator: Not reported  
2018 GPRA Permit Baseline: Not on the Baseline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FUEL OIL SYSTEMS (Continued)**

**1026822900**

2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210824
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FUEL OIL SYSTEMS INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17500 MURPHY PARKWAY
Owner/Operator City,State,Zip:	LATHROP, CA 95330
Owner/Operator Telephone:	925-556-5424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CECELIA CLARY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	501 STETSON STREET
Owner/Operator City,State,Zip:	MOSS BEACH, CA 95330
Owner/Operator Telephone:	925-556-5424
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210824
Handler Name:	FUEL OIL SYSTEMS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FUEL OIL SYSTEMS (Continued)**

**1026822900**

Recognized Trader Exporter: No  
 Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: No  
 Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 238120  
 NAICS Description: STRUCTURAL STEEL AND PRECAST CONCRETE CONTRACTORS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**H37**  
**ESE**  
**< 1/8**  
**0.050 mi.**  
**262 ft.**

**DANS PLACE**  
**818 ETHELDORE**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI** **S103171433**  
**HIST CORTESE** **N/A**

**Site 1 of 2 in cluster H**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

San Mateo Co. BI:  
 Name: DANS PLACE  
 Address: 818 ETHELDORE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0002095  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0030776  
 Description: UNDERGROUND TANK - GENERAL  
 Facility Status: Inactive, non-billable  
 Program Category: UNDERGROUND TANK PROGRAM

HIST CORTESE:

edr\_fname: MOOSEHEAD INC  
 edr\_fadd1: 818 ETHELDORE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: CORTESE  
 Facility County Code: 41  
 Reg By: LTNKA  
 Reg Id: 41-1162

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H38  
ESE  
< 1/8  
0.050 mi.  
262 ft.

**GUNTREN, JOSEPH T**  
**818 ETHELDORE**  
**MOSS BEACH, CA 94038**

San Mateo Co. BI

S123183689  
N/A

Site 2 of 2 in cluster H

Relative:  
Higher

San Mateo Co. BI:

Actual:  
80 ft.

Name: GUNTREN, JOSEPH T  
Address: 818 ETHELDORE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0055673  
Prog Element Code: 3098  
Record Id: PR0076738  
Description: STORMWATER - WET SEASON  
Facility Status: Inactive, non-billable  
Program Category: STORMWATER

F39  
SE  
< 1/8  
0.052 mi.  
272 ft.

**DONALD W KESTLER 1990 TRUST**  
**1015 PEARL AVENUE**  
**MOSS BEACH, CA 94038**

RCRA NonGen / NLR

1025853754  
CAC003075533

Site 2 of 2 in cluster F

Relative:  
Higher

RCRA Listings:

Actual:  
71 ft.

Date Form Received by Agency: 20200720  
Handler Name: Donald W Kestler 1990 Trust  
Handler Address: 1015 PEARL AVENUE  
Handler City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAC003075533  
Contact Name: CHRISTINE COWDERY, TRUSTEE  
Contact Address: 1020 ETHELDORE STREET  
Contact City,State,Zip: MOSS BEACH, CA 94038  
Contact Telephone: 415-312-8043  
Contact Fax: Not reported  
Contact Email: CHRISTINE\_CORWIN@YAHOO.COM  
Contact Title: Not reported  
EPA Region: 09  
Land Type: Not reported  
Federal Waste Generator Description: Not a generator, verified  
Non-Notifier: Not reported  
Biennial Report Cycle: Not reported  
Accessibility: Not reported  
Active Site Indicator: Not reported  
State District Owner: Not reported  
State District: Not reported  
Mailing Address: 1020 ETHELDORE STREET  
Mailing City,State,Zip: MOSS BEACH, CA 94038  
Owner Name: Donald W Kestler 1990 Trust  
Owner Type: Other  
Operator Name: Christine Cowdery, Trustee  
Operator Type: Other  
Short-Term Generator Activity: No  
Importer Activity: No  
Mixed Waste Generator: No  
Transporter Activity: No  
Transfer Facility Activity: No  
Recycler Activity with Storage: No  
Small Quantity On-Site Burner Exemption: No  
Smelting Melting and Refining Furnace Exemption: No



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DONALD W KESTLER 1990 TRUST (Continued)**

**1025853754**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DONALD W KESTLER 1990 TRUST
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1020 ETHELDORE STREET
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	415-312-8043
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHRISTINE COWDERY, TRUSTEE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1020 ETHELDORE STREET
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	415-312-8043
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DONALD W KESTLER 1990 TRUST (Continued)**

**1025853754**

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20200720  
Handler Name: DONALD W KESTLER 1990 TRUST  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299  
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

140  
NNE  
< 1/8  
0.066 mi.  
350 ft.

**MANNON, JIM**  
**619 STETSON**  
**MOSS BEACH, CA 94038**

**LUST S106035051**  
**San Mateo Co. BI N/A**

**Site 1 of 5 in cluster I**

**Relative:**  
**Higher**  
**Actual:**  
**135 ft.**

**SAN MATEO CO. LUST:**  
Name: MANNON PROPERTY  
Address: 619 STETSON ST  
City,State,Zip: MOSS BEACH, CA  
Region: SAN MATEO  
Facility ID: 018041  
Facility Status: 5C- Pollution Characterization  
Global ID: T0608170114  
APN Number: 037091290  
Case Type: MOSS BEACH, CA  
EDR Link ID: MOSS BEACH, CA

**San Mateo Co. BI:**

Name: MANNON, JIM  
Address: 619 STETSON  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0027465  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0043662  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: Inactive, non-billable

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANNON, JIM (Continued)**

**S106035051**

Program Category: UNDERGROUND TANK PROGRAM

**I41**  
**NNE**  
**< 1/8**  
**0.067 mi.**  
**352 ft.**

**PRIVATE RESIDENCE**  
**PRIVATE RESIDENCE**  
**MOSS BEACH, CA 94038**

**LUST** **S110655284**  
**N/A**

**Site 2 of 5 in cluster I**

**Relative:**  
**Higher**  
**Actual:**  
**137 ft.**

**LUST:**  
 Name: PRIVATE RESIDENCE  
 Address: PRIVATE RESIDENCE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608170114](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608170114)  
 Global Id: T0608170114  
 Latitude: 37.530436  
 Longitude: -122.514449  
 Status: Open - Remediation  
 Status Date: 01/02/2007  
 Case Worker: BG  
 RB Case Number: Not reported  
 Local Agency: SAN MATEO COUNTY LOP  
 File Location: Local Agency  
 Local Case Number: 018041  
 Potential Media Affect: Under Investigation  
 Potential Contaminants of Concern: Heating Oil / Fuel Oil  
 Site History:

Extracted from TEC Accutite's March 31, 2010 First Quarter 2010 Groundwater Monitoring Report, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is a private home located on Stetson Street, near the intersection with California Avenue in Moss Beach, California. The nearest surface water is the Pacific Ocean, located approximately 1,000 feet west of the site. A portion of the Fitzgerald State Marine Reserve, which the California Regional Water Quality Control Board (RWQCB) has designated as an area of special biological significance, is directly west of the subject site. Site topography is moderately sloping to the west/southwest, and site elevation is approximately 130 feet above mean sea level (ft msl). November 2002 One 500-gallon heating oil underground storage tank (UST) removed from the subject site; significant concentrations of petroleum hydrocarbons present in groundwater. September 2003 Five soil borings advanced (B-1 through B-5); Total Petroleum Hydrocarbons as diesel (TPHd) detected in grab groundwater sample. November 2005 Impacted soil at the former UST location was over-excavated (approximately 60 tons of soil removed); significant TPHd concentration detected in western wall of the excavation; monitoring well MW-1 installed downgradient of the former UST; free-phase hydrocarbon encountered in well MW-1. August 2008 to October 2008 Offsite investigation; slug test; groundwater monitoring wells MW-2 and MW-3 installed; free product extent defined to the southwest of the former UST. February 2007 Initiation of ongoing quarterly groundwater monitoring and free product removal. April 6, 2009 Passive skimmer installed in well MW-1 to facilitate product removal.

**LUST:**  
 Global Id: T0608170114

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Contact Type: Local Agency Caseworker  
Contact Name: BRIAN GWINN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 Alameda de las Pulgas, Suite 100  
City: SAN MATEO  
Email: bgwinn@smcgov.org  
Phone Number: 6502724590

Global Id: T0608170114  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**LUST:**

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 05/13/2009  
Action: Staff Letter - #20090513

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 04/26/2016  
Action: Notice of Responsibility

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 09/06/2016  
Action: Staff Letter - #20160906

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 07/08/2011  
Action: Other Report / Document

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/03/2020  
Action: Correspondence

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/29/2016  
Action: Email Correspondence

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 08/06/2008  
Action: Staff Letter - #20080806

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 09/29/2011  
Action: Staff Letter - #20110929

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Global Id:	T0608170114
Action Type:	ENFORCEMENT
Date:	12/22/2010
Action:	Staff Letter - #20101222
Global Id:	T0608170114
Action Type:	ENFORCEMENT
Date:	03/08/2013
Action:	Staff Letter - #20130308
Global Id:	T0608170114
Action Type:	ENFORCEMENT
Date:	06/30/2015
Action:	Notice of Violation - #20150630
Global Id:	T0608170114
Action Type:	ENFORCEMENT
Date:	11/07/2017
Action:	Warning Letter - #20171107
Global Id:	T0608170114
Action Type:	ENFORCEMENT
Date:	09/07/2016
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608170114
Action Type:	Other
Date:	12/19/2002
Action:	Leak Reported
Global Id:	T0608170114
Action Type:	RESPONSE
Date:	09/30/2020
Action:	Monitoring Report - Other
Global Id:	T0608170114
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0608170114
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0608170114
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0608170114
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Quarterly
Global Id:	T0608170114
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Date: 01/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 10/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 12/03/2003  
Action: Staff Letter - #20031203

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 06/11/2003  
Action: Staff Letter - #20030611

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 05/19/2010  
Action: Staff Letter - #20100519

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 04/17/2018  
Action: Notice of Violation - #20180417

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 10/16/2018  
Action: Notice of Violation - #20181016

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 03/02/2020  
Action: Staff Letter - #20200302

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 04/23/2019  
Action: Email Correspondence - #20190423

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 01/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/15/2009  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 09/15/2010  
Action: Other Report / Document

Global Id: T0608170114  
Action Type: REMEDIATION  
Date: 02/01/2007  
Action: Free Product Removal

Global Id: T0608170114  
Action Type: REMEDIATION  
Date: 11/01/2005  
Action: Excavation

Global Id: T0608170114  
Action Type: REMEDIATION  
Date: 06/22/2016  
Action: Free Product Removal

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 04/25/2007  
Action: Staff Letter - #20070425

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 07/30/2003  
Action: Staff Letter - #20030730

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 06/19/2003  
Action: Notice of Responsibility - #1

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 01/02/2007  
Action: Staff Letter - #20070102

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 11/12/2003  
Action: Staff Letter - #20031112

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 08/18/2009  
Action: Staff Letter - #20090818

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 07/12/2012  
Action: Staff Letter - #20120712

Global Id: T0608170114  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Date: 07/27/2016  
Action: Staff Letter

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 05/12/2020  
Action: Email Correspondence - #20200512

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 06/19/2020  
Action: Staff Letter - #20200619

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 12/15/2009  
Action: Soil and Water Investigation Report

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 06/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 06/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 10/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 10/31/2012  
Action: Pilot Study/ Treatability Report

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 01/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 02/15/2017  
Action: Monitoring Report - Semi-Annually



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 04/29/2013  
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 07/07/2009  
Action: Staff Letter - #20090707

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 03/15/2016  
Action: Staff Letter

Global Id: T0608170114  
Action Type: ENFORCEMENT  
Date: 06/04/2021  
Action: Email Correspondence - #20210604

Global Id: T0608170114  
Action Type: Other  
Date: 11/07/2002  
Action: Leak Discovery

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 09/09/2009  
Action: Soil and Water Investigation Workplan

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 12/03/2008  
Action: Soil and Water Investigation Report

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 08/11/2003  
Action: Preliminary Site Assessment Workplan

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 11/28/2003  
Action: Preliminary Site Assessment Report

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 09/06/2005  
Action: Soil and Water Investigation Workplan

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 02/13/2004  
Action: Electronic Reporting Submittal Due

Global Id: T0608170114  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Date: 02/16/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 06/26/2007  
Action: Interim Remedial Action Plan

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 12/19/2011  
Action: Pilot Study / Treatability Workplan

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 06/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 10/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 03/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 07/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 11/30/2017  
Action: Correspondence

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 07/22/2016  
Action: Monitoring Report - Semi-Annually

Global Id: T0608170114  
Action Type: RESPONSE  
Date: 05/30/2017  
Action: Remedial Progress Report

**LUST:**

Global Id: T0608170114  
Status: Open - Case Begin Date  
Status Date: 11/07/2002

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655284**

Global Id: T0608170114  
 Status: Open - Site Assessment  
 Status Date: 06/19/2003

Global Id: T0608170114  
 Status: Open - Site Assessment  
 Status Date: 07/23/2003

Global Id: T0608170114  
 Status: Open - Site Assessment  
 Status Date: 11/04/2003

Global Id: T0608170114  
 Status: Open - Remediation  
 Status Date: 01/02/2007

Global Id: T0608170114  
 Status: Open - Site Assessment  
 Status Date: 01/02/2007

**I42**  
**NNE**  
 < 1/8  
 0.067 mi.  
 352 ft.

**PRIVATE RESIDENCE**  
**PRIVATE RESIDENCE**  
**MOSS BEACH, CA 94038**  
**Site 3 of 5 in cluster I**

**LUST** **S106131287**  
**CPS-SLIC** **N/A**  
**Cortese**

**Relative:**  
**Higher**  
**Actual:**  
**137 ft.**

**LUST:**  
 Name: PRIVATE RESIDENCE  
 Address: PRIVATE RESIDENCE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000011376](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000011376)  
 Global Id: T10000011376  
 Latitude: 37.53057  
 Longitude: -122.51387  
 Status: Completed - Case Closed  
 Status Date: 01/21/2020  
 Case Worker: BG  
 RB Case Number: Not reported  
 Local Agency: SAN MATEO COUNTY LOP  
 File Location: Not reported  
 Local Case Number: 018050  
 Potential Media Affect: Other Groundwater (uses other than drinking water), Soil  
 Potential Contaminants of Concern: Heating Oil / Fuel Oil  
 Site History: Not reported

**LUST:**  
 Global Id: T10000011376  
 Contact Type: Local Agency Caseworker  
 Contact Name: BRIAN GWINN  
 Organization Name: SAN MATEO COUNTY LOP  
 Address: 2000 Alameda de las Pulgas, Suite 100  
 City: SAN MATEO  
 Email: bgwinn@smcgov.org  
 Phone Number: 6502724590

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S106131287**

LUST:

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 04/03/2018  
Action: Notice of Responsibility - #20180403

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 10/31/2018  
Action: Staff Letter - #20181031

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 06/17/2019  
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T10000011376  
Action Type: Other  
Date: 03/06/2018  
Action: Leak Reported

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 03/22/2018  
Action: Staff Letter - #20180322

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 05/09/2018  
Action: Staff Letter - #20180509

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 08/19/2019  
Action: Notification - Preclosure - #20190819

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 03/27/2019  
Action: Staff Letter - #20190327

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 03/07/2018  
Action: Staff Letter - #20180307

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 01/21/2020  
Action: Closure/No Further Action Letter - #20200121

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 11/06/2019  
Action: Staff Letter - #20191106

Global Id: T10000011376

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S106131287**

Action Type: RESPONSE  
Date: 08/15/2018  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 07/31/2019  
Action: Well Installation Report - Regulator Responded

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 05/22/2018  
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 01/31/2019  
Action: Site Assessment Report - Regulator Responded

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 12/22/2019  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T10000011376  
Action Type: Other  
Date: 01/30/2018  
Action: Leak Stopped

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 10/19/2019  
Action: Fact Sheets - Public Participation

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 05/30/2019  
Action: Well Installation Workplan - Regulator Responded

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 03/22/2018  
Action: Meeting - #20180322

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 10/22/2019  
Action: Staff Letter - #20191022

Global Id: T10000011376  
Action Type: ENFORCEMENT  
Date: 05/02/2019  
Action: Staff Letter - #20190502

Global Id: T10000011376  
Action Type: Other  
Date: 01/30/2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S106131287**

Action: Leak Discovery

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 02/06/2020  
Action: Well Destruction Report

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 02/26/2018  
Action: Unauthorized Release Form

Global Id: T10000011376  
Action Type: RESPONSE  
Date: 02/26/2018  
Action: Tank Removal Report / UST Sampling Report

**LUST:**

Global Id: T10000011376  
Status: Open - Case Begin Date  
Status Date: 01/30/2018

Global Id: T10000011376  
Status: Open - Site Assessment  
Status Date: 03/06/2018

Global Id: T10000011376  
Status: Open - Eligible for Closure  
Status Date: 08/06/2019

Global Id: T10000011376  
Status: Completed - Case Closed  
Status Date: 01/21/2020

**CPS-SLIC:**

Name: PRIVATE RESIDENCE  
Address: PRIVATE RESIDENCE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 04/27/2012  
Global Id: T0608122441  
Lead Agency: SAN MATEO COUNTY LOP  
Lead Agency Case Number: 019034  
Latitude: 37.509619  
Longitude: -122.500926  
Case Type: Cleanup Program Site  
Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: Not reported  
File Location: Local Agency  
Potential Media Affected: Well used for drinking water supply  
Potential Contaminants of Concern: \* Solvents  
Site History: Extracted from Henshaw's May 18, 2001 Second Upgradient Groundwater Quality Investigation, San Mateo County does not take responsibility

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S106131287**

for the accuracy of the statements made or any professional interpretations made in the referenced report. The El Granada Mobile Home Park provides domestic water to approximately 900 people from groundwater supplied by three wells located on the park. The park also maintains a service connection with Citizens Utilities for emergency water supply, if needed. In 1993, the California Department of Health Services, now the California Department of Toxic Substance Control (DTSC), issued a domestic water supply permit to the park and identified three wells (the Culebra, Codo, and Retiro Wells) as permitted water sources. In 1994, the Culebra Well was reconditioned, the Codo Well was abandoned, and a new well known as the Corona Well was drilled. Water quality tests indicated that in 1994, toluene, and halogenated volatile organic compounds (HVOCs), consisting primarily of trichloroethene (TCE) and tetrachloroethene (PCE), were detected in the water supply. The measured concentrations of these compounds locally exceeded the primary drinking water standards known as the maximum contaminant levels (MCLs). The park subsequently installed a water treatment system to reduce concentrations of CVOCs and toluene to levels below the MCLs prior to distribution. The treatment system remains in operation at this time. A previous investigation indicated that the mobile home park is bordered on the upgradient side (north) by an automobile repair facility, and another building that houses a variety of tenants, including a furniture repair and refinishing shop. The site is also bordered on the far northnortheast by the Half Moon Bay Airport. Each of these land uses may commonly be associated with use or disposal of HVOCs and other petroleum products. In March 1999, Henshaw collected groundwater samples from three borings drilled to depths of 75 feet below ground surface (bgs) along Airport Street to evaluate groundwater quality on the upgradient side of the automobile repair facility and commercial building, and downgradient of the Half Moon Bay Airport. Groundwater samples were collected from each boring at approximately 20 feet bgs (near the top of the water table) and at 60 to 75 feet bgs (the bottom of each boring) using a Hydropunch sampling device. The samples were analyzed for HVOCs using EPA Method 8260 and petroleum hydrocarbons as diesel using EPA Method 8015. None of the groundwater samples contained HVOCs or petroleum hydrocarbons above the laboratory method reporting limits, with the exception of the sample collected at a depth of approximately 18 feet bgs at boring 02, which reportedly contained 0.6 parts per billion of 1,1,1-trichloroethane (1,1,1-TCA). As a result, the investigation did not identify an obvious source for the contamination detected in the groundwater production wells at the El Granada Mobile Home Park.

[Click here to access the California GeoTracker records for this facility:](#)

CORTESE:	
Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	MOSS BEACH, CA 94038
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608170114
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - REMEDIATION
Status Date:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S106131287**

Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open
Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	MOSS BEACH, CA 94038
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000011376
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

**J43**  
**North**  
**< 1/8**  
**0.091 mi.**  
**480 ft.**

**ESTATE OF ETHEL GILLIGAN**  
**575 KELMORE**  
**MOSS BEACH, CA 94038**  
**Site 1 of 2 in cluster J**

**San Mateo Co. BI**    **S106982166**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**163 ft.**

San Mateo Co. BI:	
Name:	ESTATE OF ETHEL GILLIGAN
Address:	575 KELMORE
City,State,Zip:	MOSS BEACH, CA 94038
Region:	SAN MATEO
Facility ID:	FA0026945
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0040037
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J44**  
**North**  
**< 1/8**  
**0.092 mi.**  
**486 ft.**  
**Site 2 of 2 in cluster J**

**CPS-SLIC** **S119777504**  
**NON-CASE INFO** **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**164 ft.**

**CPS-SLIC:**  
 Name: PRIVATE RESIDENCE  
 Address: PRIVATE RESIDENCE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: STATE  
**Facility Status: Completed - Case Closed**  
 Status Date: 11/12/2020  
 Global Id: T10000009968  
 Lead Agency: SAN MATEO COUNTY LOP  
 Lead Agency Case Number: 019048  
 Latitude: 37.5201  
 Longitude: -122.51134  
 Case Type: Cleanup Program Site  
 Case Worker: BG  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: Not reported  
 File Location: Not reported  
 Potential Media Affected: Soil  
 Potential Contaminants of Concern: Aviation, Toluene  
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**NON-CASE INFO:**

Name: PRIVATE RESIDENCE  
 Address: PRIVATE RESIDENCE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Global ID: T10000009233  
 Case Type: Non-Case Information  
 Status: Informational Item / Review Complete  
 Status Date: 02/21/2002  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Worker: KA  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: Not reported  
 Loc Case Number: Not reported  
 File Location: All Files are on GeoTracker or in the Local Agency Database  
 Potential Contaminants of Concern: Total Petroleum Hydrocarbons (TPH)  
 Potential Media Affected: Soil  
 Site History: home heating oil tank removed from residence. No analytical found in file, but letter implies detections of contaminants were reported.  
 Begin Date: 2001-11-05 00:00:00  
 How Discovered: Tank Closure  
 How Discovered Description: Not reported  
 Stop Method: Close and Remove Tank  
 Stop Description: Not reported  
 Latitude: 37.53142  
 Longitude: -122.51472  
 Geotracker: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000009233](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000009233)

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**I45**      **UST SITE - RESIDENCE**  
**NNE**      **630 KELMORE**  
**< 1/8**      **MOSS BEACH, CA 94038**  
**0.094 mi.**  
**494 ft.**      **Site 4 of 5 in cluster I**

**San Mateo Co. BI**      **S121307720**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**      Name:                      UST SITE - RESIDENCE  
                    Address:                    630 KELMORE  
**Actual:**      City,State,Zip:            MOSS BEACH, CA 94038  
**154 ft.**      Region:                      SAN MATEO  
                    Facility ID:                FA0063188  
                    Prog Element Code:      UNDERGROUND TANK - GENERAL  
                    Record Id:                PR0086066  
                    Description:              UNDERGROUND TANK - GENERAL  
                    Facility Status:          Inactive, non-billable  
                    Program Category:      UNDERGROUND TANK PROGRAM

**I46**      **EVANS TRUST PROPERTY**  
**NNE**      **630 KELMORE ST**  
**< 1/8**      **MOSS BEACH, CA**  
**0.094 mi.**  
**494 ft.**      **Site 5 of 5 in cluster I**

**LUST**      **S121509540**  
**N/A**

**Relative:**      SAN MATEO CO. LUST:  
**Higher**      Name:                      EVANS TRUST PROPERTY  
                    Address:                    630 KELMORE ST  
**Actual:**      City,State,Zip:            MOSS BEACH, CA  
**154 ft.**      Region:                      SAN MATEO  
                    Facility ID:                018050  
                    Facility Status:          3B- Preliminary Assessment Underway  
                    Global ID:                Not reported  
                    APN Number:              037091350  
                    Case Type:                MOSS BEACH, CA  
                    EDR Link ID:              MOSS BEACH, CA

**K47**      **EMPTY BUILDING**  
**ESE**      **877 ETHELDORE**  
**< 1/8**      **MOSS BEACH, CA 94038**  
**0.095 mi.**  
**504 ft.**      **Site 1 of 2 in cluster K**

**San Mateo Co. BI**      **S106981726**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**      Name:                      EMPTY BUILDING  
                    Address:                    877 ETHELDORE  
**Actual:**      City,State,Zip:            MOSS BEACH, CA 94038  
**74 ft.**      Region:                      SAN MATEO  
                    Facility ID:                FA0023159  
                    Prog Element Code:      UNDERGROUND TANK - GENERAL  
                    Record Id:                PR0026466  
                    Description:              UNDERGROUND TANK - GENERAL  
                    Facility Status:          Inactive, non-billable  
                    Program Category:      UNDERGROUND TANK PROGRAM

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

<b>K48</b>	<b>HENDRICKSON, JAMES AND HENDRICKSON, TERESA</b>	<b>San Mateo Co. BI</b>	<b>S123183690</b>
<b>ESE</b>	<b>887 ETHELDORE</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94038</b>		
<b>0.099 mi.</b>			
<b>525 ft.</b>	<b>Site 2 of 2 in cluster K</b>		
<b>Relative:</b>	San Mateo Co. BI:		
<b>Higher</b>	Name:	HENDRICKSON, JAMES AND HENDRICKSON, TERESA	
	Address:	887 ETHELDORE	
<b>Actual:</b>	City,State,Zip:	MOSS BEACH, CA 94038	
<b>74 ft.</b>	Region:	SAN MATEO	
	Facility ID:	FA0055674	
	Prog Element Code:	3098	
	Record Id:	PR0076739	
	Description:	STORMWATER - WET SEASON	
	Facility Status:	Inactive, non-billable	
	Program Category:	STORMWATER	

<b>49</b>	<b>STEPHEN AND AMY MOORE</b>	<b>RCRA NonGen / NLR</b>	<b>1027209719</b>
<b>South</b>	<b>410 CALIFORNIA AVENUE</b>		<b>CAC003174039</b>
<b>&lt; 1/8</b>	<b>MOSS BEACH, CA 94038</b>		
<b>0.120 mi.</b>			
<b>636 ft.</b>			
<b>Relative:</b>	RCRA Listings:		
<b>Lower</b>	Date Form Received by Agency:	20220502	
	Handler Name:	Stephen And Amy Moore	
	Handler Address:	410 CALIFORNIA AVENUE	
	Handler City,State,Zip:	MOSS BEACH, CA 94038	
	EPA ID:	CAC003174039	
	Contact Name:	STEPHEN AND AMY MOORE	
	Contact Address:	410 CALIFORNIA AVENUE	
	Contact City,State,Zip:	MOSS BEACH, CA 94038	
	Contact Telephone:	650-428-5315	
	Contact Fax:	Not reported	
	Contact Email:	CHELSEY@ENV-REM.COM	
<b>Actual:</b>	Contact Title:	Not reported	
<b>57 ft.</b>	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	410 CALIFORNIA AVENUE	
	Mailing City,State,Zip:	MOSS BEACH, CA 94038	
	Owner Name:	Stephen And Amy Moore	
	Owner Type:	Other	
	Operator Name:	Stephen And Amy Moore	
	Operator Type:	Other	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEPHEN AND AMY MOORE (Continued)**

**1027209719**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220504
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STEPHEN AND AMY MOORE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	410 CALIFORNIA AVENUE
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	650-428-5315
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEPHEN AND AMY MOORE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	410 CALIFORNIA AVENUE
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	650-428-5315
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEPHEN AND AMY MOORE (Continued)**

**1027209719**

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20220502  
Handler Name: STEPHEN AND AMY MOORE  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 56299  
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**50**  
**South**  
**1/8-1/4**  
**0.142 mi.**  
**752 ft.**

**UST SITE- RESIDENTIAL**  
**431 NEVADA**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI S110376419**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**30 ft.**

San Mateo Co. BI:  
Name: UST SITE- RESIDENTIAL  
Address: 431 NEVADA  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0046852  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0063754  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: Inactive, non-billable  
Program Category: UNDERGROUND TANK PROGRAM

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

<p><b>L51</b> <b>ESE</b> <b>1/8-1/4</b> <b>0.165 mi.</b> <b>871 ft.</b></p>	<p><b>SETON MEDICAL CENTER COASTSIDE</b> <b>600 MARINE BLVD</b> <b>MOSS BEACH, CA 94038</b></p> <p><b>Site 1 of 5 in cluster L</b></p>	<p><b>CERS HAZ WASTE</b> <b>CERS</b></p>	<p><b>S121782635</b> <b>N/A</b></p>
<p><b>Relative:</b> <b>Higher</b></p> <p><b>Actual:</b> <b>128 ft.</b></p>	<p><b>CERS HAZ WASTE:</b></p> <p style="margin-left: 20px;">Name: SETON MEDICAL CENTER COASTSIDE Address: 600 MARINE BLVD City,State,Zip: MOSS BEACH, CA 94038 Site ID: 426858 CERS ID: 10723795 CERS Description: Hazardous Waste Generator</p> <p><b>CERS:</b></p> <p style="margin-left: 20px;">Name: SETON MEDICAL CENTER COASTSIDE Address: 600 MARINE BLVD City,State,Zip: MOSS BEACH, CA 94038 Site ID: 426858 CERS ID: 10723795 CERS Description: Chemical Storage Facilities</p> <p><b>Violations:</b></p> <p style="margin-left: 20px;">Site ID: 426858 Site Name: SETON MEDICAL CENTER COASTSIDE Violation Date: 02-24-2017 Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii) Violation Description: Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm. Violation Notes: Returned to compliance on 09/11/2017. OBSERVATION: Generator failed to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers. CORRECTIVE ACTION: Owner/Operator shall immediatly post, next to the telephone, emergency inforamtion that contains the required information in accordance with Title 22. Provide compliance information to the CUPA within 30 days. Violation Division: San Mateo County Environmental Health Violation Program: HW Violation Source: CERS,</p> <p style="margin-left: 20px;">Site ID: 426858 Site Name: SETON MEDICAL CENTER COASTSIDE Violation Date: 02-24-2017 Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12 Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste. Violation Notes: Returned to compliance on 09/06/2017. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA 30 days from now. YOU ARE USING THE EPA ID FROM THE LAST OWNER AND IT IS INACTIVE.</p>		

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

<p>Violation Division:          Violation Program:          Violation Source:</p>	<p>San Mateo County Environmental Health          HW          CERS,</p>
<p>Site ID:          Site Name:          Violation Date:          Citation:</p>	<p>426858          SETON MEDICAL CENTER COASTSIDE          06-14-2021          22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12</p>
<p>Violation Description:</p>	<p>Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.</p>
<p>Violation Notes:</p>	<p>Returned to compliance on 05/20/2022. Due to a recent ownership change, a new EPA ID number is required. Close the existing EPA ID number, CAL000083123, and obtain a new EPA ID number within 30 days. Notify the CUPA once this is completed.</p>
<p>Violation Division:          Violation Program:          Violation Source:</p>	<p>San Mateo County Environmental Health          HW          CERS,</p>
<p>Site ID:          Site Name:          Violation Date:          Citation:</p>	<p>426858          SETON MEDICAL CENTER COASTSIDE          01-17-2019          HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)</p>
<p>Violation Description:</p>	<p>Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.</p>
<p>Violation Notes:</p>	<p>Returned to compliance on 03/05/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.</p>
<p>Violation Division:          Violation Program:          Violation Source:</p>	<p>San Mateo County Environmental Health          HMRRP          CERS,</p>
<p>Site ID:          Site Name:          Violation Date:          Citation:</p>	<p>426858          SETON MEDICAL CENTER COASTSIDE          01-16-2019          49 CFR 1 172 - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172</p>
<p>Violation Description:</p>	<p>Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous materials definition in accordance with DOT 49 CFR parts 171-180.</p>
<p>Violation Notes:</p>	<p>Returned to compliance on 03/17/2019. OBSERVATION: THERE IS NO RECEIPTS FOR PROPER DISPOSAL/RECYCLE. CORRECTIVE ACTION: OBTAIN RECEIPTS FOR DIPOSAL/RECYCLING.</p>
<p>Violation Division:          Violation Program:          Violation Source:</p>	<p>San Mateo County Environmental Health          HW          CERS,</p>
<p>Site ID:</p>	<p>426858</p>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 06-14-2021  
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.  
Violation Notes: Returned to compliance on 06/17/2021. I did not observe the Designated Facility to Generator manifest copy on file for manifest #000313235 dated 5/13/20. Obtain a copy of this manifest for your records and provide a copy to the CUPA within 30 days.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-16-2019  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)  
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.  
Violation Notes: Returned to compliance on 01/17/2019. OBSERVATION: BLACK RCRA CONTAINERS of HAZARDOUS WASTE located in the MED ROOM AND STORAGE SHED was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled. (CORRECTED DURING INSPECTION - CONTAINERS WERE LABELED)  
Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER ; COASTSIDE  
Violation Date: 02-24-2017  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)  
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.  
Violation Notes: Returned to compliance on 09/21/2017. OBSERVATION: . All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information. THE RCRA WASTE CONTAINERS NEED PROPER HAZARDOUS WASTE LABELS WITH ALL THE PROPER INFORMATION. THERE IS ALSO WASTE THAT IS ON THE SIDE OF THE ENGINEER'S SHOP/OFFICE THAT NEEDS LABELING AND/OR DISPOSAL. PAINT WASTE CAN BE TAKEN TO paintcare.org drop off site. See



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

the website for rules. The paint must be wall covering and have a label. You may use the county small quantity generator program for disposal as well. [smchealth.org/vsqq](http://smchealth.org/vsqq)  
San Mateo County Environmental Health

Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-16-2019  
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)

Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violation Notes: Returned to compliance on 02/07/2019. OBSERVATION: Employees are not thoroughly familiar with proper waste handling and emergency procedures as demonstrated by the number and/or type of hazardous waste violations observed at the time of inspection. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that employees have been properly trained. Employees couldn t demonstrate knowledge of hazardous waste requirements. Hazardous Waste labeling is deficient and inspections are not being conducted. Employees receive a hazardous a Hazardous Materials and Waste training module. This module includes hazardous waste labeling requirements but it doesn t include information about accumulation times and inspections. All clinical staff is required to receive the training. Infographic material posted in the med room and ER room doesn t mention information for disposal of P-listed hazardous waste (pharmaceuticals and containers).EVS employees are trained with a different program. Facility has to implement a [Truncated]

Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-16-2019  
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11

Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violation Notes: Returned to compliance on 03/17/2019. OBSERVATION: A proper waste determination has not been made. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the waste items have been properly characterized to determine if it is a hazardous waste. If determined to be hazardous submit a manifest/receipt documenting proper disposal and a statement demonstrating how you will manage it in the future. Waste Determination Facility disposes waste antibacterial containers to the trash. These containers usually don t get fully empty prior disposal. This product has alcohol content. Revise your waste determination process for this waste and provide information on how non empty containers of this product will be managed.

Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-16-2019  
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34

Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .  
Violation Notes: Returned to compliance on 01/17/2019. OBSERVATION: Owner/Operator failed to properly label universal waste. CORRECTIVE ACTION: Properly label universal waste BATTERIES and submit statement of compliance and/or a photo of the waste labeled properly. (CORRECTED DURING INSPECTION)

Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 08-03-2022  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 12/12/2022.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 02-24-2017  
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)

Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.  
Violation Notes: Returned to compliance on 09/21/2017. OBSERVATION: At the time of inspection, it could not be demonstrated that employees who handle hazardous waste were properly trained. [The employees have never been trained.]. The generator must ensure that all employees who handle hazardous waste are thoroughly familiar with proper waste handling and emergency procedures. CORRECTIVE ACTION: Immediately provide training to all employees who handle hazardous waste and submit a copy of the training records to the CUPA 30 days from now. I RECOMMEND THAT GERALD ATTEND OUR FREE HAZARDOUS WASTE CLASS AT THE COUNTY OF SAN MATEO. YOU MAY ALSO SEND AN EMPLOYEE FROM THE DALY CITY LOCATION AS WELL.

Violation Division: San Mateo County Environmental Health  
Violation Program: HW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-16-2019  
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174  
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.  
Violation Notes: Returned to compliance on 01/28/2019. OBSERVATION: HAZARDOUS WASTE CONTAINERS ARE NOT INSPECTED WEEKLY CORRECTIVE ACTION: Submit a copy of the inspection log to the CUPA demonstrating that the hazardous waste storage area is being inspected weekly. Facility is not conducting weekly inspections to hazardous waste containers. Implement procedures to ensure inspections are being conducted in a timely manner. Provide the inspection copies of this procedure.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 01-17-2019  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.  
Violation Notes: Returned to compliance on 02/07/2019. OBSERVATION: The business did not provide one or more of the following: initial employee training, adequate employee training, annual employee training and/or maintain records of employee training. CORRECTIVE ACTION: Provide all employees with required training that includes: safe handling hazardous materials, emergency response procedures, and proper use of response equipment. Maintain records of training available for 3 years. PROVIDE A TRAINING PROGRAM THAT IS GEARED TO THE PERSONS ROLE REGARDING HAZARDOUS MATERIALS AND EMERGENCY RESPONSE.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Violation Date: 02-23-2017  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 09/21/2017.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Evaluation:  
Eval General Type: Other/Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Eval Date: 01-02-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-23-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: COMPLETE AND SUBMIT A COMPLIANT HAZARDOUS MATERIALS BUSINESS PLAN WITHIN 30 DAYS FROM NOW. AN ELECTRONIC HAZARDOUS MATERIALS BUSINESS PLAN SHOULD HAVE BEEN IN PLACE WHEN THE BUSINESS TRANSFERRED OWNERSHIP. CALL ME IF YOU NEED DIRECTION. ROBERT REED 650-464-7079

Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-24-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: THE EMPLOYEES HERE LACK THE BASIC KNOWLEDGE TO MANAGE HAZARDOUS WASTE. CALL (800) 637-2384 TO REGISTER FOR A FREE HAZARDOUS WASTE TRAINING CLASS. SEE <http://www.smchealth.org/hazwaste> CORRECT ALL VIOLATIONS WITHIN 30 DAYS TO AVOID A FOLLOW UP INSPECTION FEE AND/OR THE ENFORCEMENT PROCESS.

Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-17-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-14-2021  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with the Manager of Environmental Services, Angad Singh, and conducted a Hazardous Materials Business Plan Program inspection. I inspected the hazardous materials and hazardous waste storage locations and I didn't observe any signs of a hazardous materials release.

Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-14-2021

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with the Manager of Environmental Services, Angad Singh, and conducted a Hazardous Waste Generator Program inspection. I inspected the hazardous waste storage locations and I didn't observe any signs of a hazardous waste release.

Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 09-21-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: HERE TODAY FOR A FOLLOW UP INSPECTION. 1. THERE IS AN ACTIVE EPA ID CAL000428602 UNDER THE CURRENT BUSINESS. 2. THE HAZARDOUS WASTE CONTAINERS ARE PROPERLY LABELED. 3. THE PAINT ON THE SIDE OF THE BUILDING WAS TAKEN TO PAINT CARE BY BRAD IN ENGINEERING. 4. EMERGENCY CONTACT NUMBERS WERE POSTED. ALL HAZARDOUS VIOLATIONS ARE CLOSED. 5.PROOF OF EMPLOYEE TRAINING VERIFIED.

Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-17-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 05-22-2018  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 12-12-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 03-06-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 08-03-2022  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-07-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Enforcement Action:  
Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Site Address: 600 MARINE BLVD  
Site City: MOSS BEACH  
Site Zip: 94038  
Enf Action Date: 08-14-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: 9/6/17: EPA ID is active, remaining violations have yet to be corrected. 1/29/18: Facility violations have been marked complied 9/11/17, 9/21/17.  
Enf Action Division: San Mateo County Environmental Health  
Enf Action Program: HMRRP  
Enf Action Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Site Address: 600 MARINE BLVD  
Site City: MOSS BEACH  
Site Zip: 94038  
Enf Action Date: 08-14-2017  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: 9/6/17: EPA ID is active, remaining violations have yet to be corrected. 1/29/18: Facility violations have been marked complied 9/11/17, 9/21/17.  
Enf Action Division: San Mateo County Environmental Health  
Enf Action Program: HW  
Enf Action Source: CERS,

Site ID: 426858  
Site Name: SETON MEDICAL CENTER COASTSIDE  
Site Address: 600 MARINE BLVD  
Site City: MOSS BEACH  
Site Zip: 94038

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Enf Action Date: 11-22-2022  
Enf Action Type: Notice of Violation (Unified Program)  
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection  
Enf Action Notes: 12/29/22: HMBP certified 12/12/22.  
Enf Action Division: San Mateo County Environmental Health  
Enf Action Program: HMRRP  
Enf Action Source: CERS,

**Affiliation:**

Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94403  
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Identification Signer  
Entity Name: Anna Truong  
Entity Title: Director of Nursing  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation  
Entity Name: AHMC SETON MEDICAL CENTER  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer  
Entity Name: Anna Truong  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Operator  
Entity Name: Anna Truong and Jeffrey Porcali  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S121782635**

Affiliation Phone: (650) 563-7100,  
  
Affiliation Type Desc: Environmental Contact  
Entity Name: Jeffrey Porcalla  
Entity Title: Not reported  
Affiliation Address: 600 MARINE BLVD  
Affiliation City: Moss Beach  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94038  
Affiliation Phone: ,  
  
Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 600 MARINE BLVD  
Affiliation City: MOSS BEACH  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94038  
Affiliation Phone: ,  
  
Affiliation Type Desc: Legal Owner  
Entity Name: AHMC Seton Medical Center Coastside  
Entity Title: Not reported  
Affiliation Address: 55 S.Raymond Ave Ste 105  
Affiliation City: Alhambra  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 91801  
Affiliation Phone: (626) 457-7400,  
  
Affiliation Type Desc: Property Owner  
Entity Name: AHMC Seton Medical Center  
Entity Title: Not reported  
Affiliation Address: 1900 Sullivan Ave  
Affiliation City: DALY CITY  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94015  
Affiliation Phone: (650) 992-4000,

**L52**  
**ESE**  
**1/8-1/4**  
**0.165 mi.**  
**871 ft.**

**AHMC SETON COASTSIDE**  
**600 MARINE BOULEVARD**  
**MOSS BEACH, CA 94038**

**RCRA-SQG 1026830098**  
**CAR000325407**

**Site 2 of 5 in cluster L**

**Relative:**  
**Higher**  
**Actual:**  
**128 ft.**

RCRA Listings:  
Date Form Received by Agency: 20210624  
Handler Name: Ahmc Seton Coastside  
Handler Address: 600 MARINE BOULEVARD  
Handler City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAR000325407  
Contact Name: MARK FELTT  
Contact Address: MARINE BOULEVARD  
Contact City,State,Zip: MOSS BEACH, CA 94038



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AHMC SETON COASTSIDE (Continued)**

**1026830098**

Contact Telephone:	650-991-6075
Contact Fax:	Not reported
Contact Email:	MARK.FELTT@AHMCHEALTH.COM
Contact Title:	DIRECTOR OF FACILITIES
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	S. RAYMOND AVE
Mailing City,State,Zip:	ALHAMBRA, CA 91801
Owner Name:	Ahmc Seton Medical Center, Llc
Owner Type:	Private
Operator Name:	Ahmc Seton Medical Center, Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210625
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AHMC SETON COASTSIDE (Continued)**

**1026830098**

Manifest Broker: No  
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: P001  
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: AHMC SETON MEDICAL CENTER, LLC  
Legal Status: Private  
Date Became Current: 20200814  
Date Ended Current: Not reported  
Owner/Operator Address: 600 MARINE BOULEVARD  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: AHMC SETON MEDICAL CENTER, LLC  
Legal Status: Private  
Date Became Current: 20200814  
Date Ended Current: Not reported  
Owner/Operator Address: 600 MARINE BOULEVARD  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210624  
Handler Name: AHMC SETON COASTSIDE  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: Yes  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 623110  
NAICS Description: NURSING CARE FACILITIES (SKILLED NURSING FACILITIES)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AHMC SETON COASTSIDE (Continued)**

**1026830098**

Evaluation Action Summary:  
 Evaluations:

No Evaluations Found

**L53**  
**ESE**  
**1/8-1/4**  
**0.165 mi.**  
**871 ft.**

**SETON MEDICAL CENTER COASTSIDE**  
**600 MARINE BLVD**  
**MOSS BEACH, CA 94038**

**RCRA NonGen / NLR**

**1024790401**  
**CAL000083123**

**Site 3 of 5 in cluster L**

**Relative:**  
**Higher**  
**Actual:**  
**128 ft.**

RCRA Listings:	19930727
Date Form Received by Agency:	Seton Medical Center Coastside
Handler Name:	600 MARINE BLVD
Handler Address:	MOSS BEACH, CA 94038-0000
Handler City,State,Zip:	CAL000083123
EPA ID:	ANGAD SINGH
Contact Name:	1900 SULLIVAN AVE
Contact Address:	DALY CITY, CA 94015
Contact City,State,Zip:	650-991-6615
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1900 SULLIVAN AVE
Mailing City,State,Zip:	DALY CITY, CA 94015
Owner Name:	Seton Medical Center Coastside Vh
Owner Type:	Other
Operator Name:	Angad Singh
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**1024790401**

202 GPRA Corrective Action Baseline: No  
Subject to Corrective Action Universe: No  
Non-TSDFs Where RCRA CA has Been Imposed Universe: No  
Corrective Action Priority Ranking: No NCAPS ranking  
Environmental Control Indicator: No  
Institutional Control Indicator: No  
Human Exposure Controls Indicator: N/A  
Groundwater Controls Indicator: N/A  
Significant Non-Complier Universe: No  
Unaddressed Significant Non-Complier Universe: No  
Addressed Significant Non-Complier Universe: No  
Significant Non-Complier With a Compliance Schedule Universe: No  
Financial Assurance Required: Not reported  
Handler Date of Last Change: 20180905  
Recognized Trader-Importer: No  
Recognized Trader-Exporter: No  
Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: No  
Manifest Broker: No  
Sub-Part P Indicator: No

**Handler - Owner Operator:**

Owner/Operator Indicator: Owner  
Owner/Operator Name: SETON MEDICAL CENTER COASTSIDE VH  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 1900 SULLIVAN AVE  
Owner/Operator City,State,Zip: DALY CITY, CA 94015  
Owner/Operator Telephone: 650-992-4000  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: ANGAD SINGH  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 1900 SULLIVAN AVE  
Owner/Operator City,State,Zip: DALY CITY, CA 94015  
Owner/Operator Telephone: 650-991-6615  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

**Historic Generators:**

Receive Date: 19930727  
Handler Name: SETON MEDICAL CENTER COASTSIDE  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**1024790401**

Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 623311  
 NAICS Description: CONTINUING CARE RETIREMENT COMMUNITIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**L54**  
**ESE**  
**1/8-1/4**  
**0.165 mi.**  
**871 ft.**

**SETON MEDICAL CENTER COASTSIDE**  
**600 MARINE**  
**MOSS BEACH, CA 94038**  
**Site 4 of 5 in cluster L**

**San Mateo Co. BI S103171434**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**128 ft.**

San Mateo Co. BI:  
 Name: SETON MEDICAL CENTER COASTSIDE  
 Address: 600 MARINE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0014862  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0025521  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: Inactive, non-billable  
 Program Category: HAZARDOUS WASTE PROGRAM

Name: SETON MEDICAL CENTER COASTSIDE  
 Address: 600 MARINE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0014862  
 Prog Element Code: STORMWATER ANNUAL INSPECTION FEE  
 Record Id: PR0039371  
 Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS  
 Facility Status: Inactive, non-billable  
 Program Category: STORMWATER

Name: SETON MEDICAL CENTER COASTSIDE  
 Address: 600 MARINE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0014862  
 Prog Element Code: LIMITED MEDICAL WASTE HAULER EXEMPTION  
 Record Id: PR0045942  
 Description: SQG WITH TRANSPORT  
 Facility Status: Inactive, non-billable  
 Program Category: MEDICAL WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S103171434**

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0014862  
Prog Element Code: SML QUANTITY GENERATOR(1-199lbs/Mo) OFF-SITE  
Record Id: PR0023880  
Description: SQG OFF-SITE TREATMENT (1-199 LB/MO)  
Facility Status: Inactive, non-billable  
Program Category: MEDICAL WASTE

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0014862  
Prog Element Code: SQG (1-199 LBS/MO) HEALTH FACILITY/SNF  
Record Id: PR0051674  
Description: SQG HEALTH FACILITY/SNF (1-199 LB/MO)  
Facility Status: Active, billable  
Program Category: MEDICAL WASTE

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0014862  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0003270  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: Inactive, non-billable  
Program Category: BUSINESS PLAN PROGRAM

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0061385  
Prog Element Code: GEN <1 TONS HAZ WASTE/YR  
Record Id: PR0084091  
Description: GEN <1 TONS HAZ WASTE/YR  
Facility Status: Active, billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0061385  
Prog Element Code: STORES HAZ MAT <3,499GAL,27,999LB,13,999FT3  
Record Id: PR0084090  
Description: STORES HAZ MAT <3,499GAL,27,999LB,13,999CF  
Facility Status: Active, billable  
Program Category: BUSINESS PLAN PROGRAM

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S103171434**

City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0061385  
Prog Element Code: 3098  
Record Id: PR0084092  
Description: STORMWATER - WET SEASON  
Facility Status: Active, billable  
Program Category: STORMWATER

**L55  
ESE  
1/8-1/4  
0.165 mi.  
871 ft.**

**SETON MEDICAL CENTER COASTSIDE  
600 MARINE BLVD  
MOSS BEACH, CA 94038  
Site 5 of 5 in cluster L**

**AST S113053971  
HAZNET N/A  
HWTS**

**Relative:  
Higher  
Actual:  
128 ft.**

AST:  
Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE BLVD  
City/Zip: MOSS BEACH,94038  
Certified Unified Program Agencies: Not reported  
Owner: DAUGHTERS OF CHARITY HEALTH SYSTEM  
Total Gallons: Not reported  
CERSID: 10065238  
Facility ID: Not reported  
Business Name: SETON MEDICAL CTR  
Phone: 6505637100  
Fax: Not reported  
Mailing Address: 600 MARINE ATTN HAZMAT COORDINATOR  
Mailing Address City: MOSS BEACH  
Mailing Address State: CA  
Mailing Address Zip Code: 94038  
Operator Name: Daughters of Charity Health System  
Operator Phone: 6509174500  
Owner Phone: 6507285521  
Owner Mail Address: 600 MARINE BLVD ATTN HAZMAT COORDINATOR  
Owner State: CA  
Owner Zip Code: 94038  
Owner Country: United States  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: CAL000083123

HAZNET:  
Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE BLVD  
Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 940380000  
Contact: ANGAD SINGH  
Telephone: 6509916615  
Mailing Name: Not reported  
Mailing Address: 1900 SULLIVAN AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Year: 2021  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 311 - Pharmaceutical waste  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.22936

Year: 2020  
Gepaid: CAL000083123  
TSD EPA ID: CAD980884183  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0125

Year: 2017  
Gepaid: CAL000083123  
TSD EPA ID: CAD059494310  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.12

Year: 2017  
Gepaid: CAL000083123  
TSD EPA ID: CAD059494310  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.23

Year: 2016  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.31

Year: 2016  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.125

Year: 2016  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 352 - Other organic solids  
Disposal Method: -  
Tons: Not reported

Year: 2014  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 331 - Off-specification, aged or surplus organics  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Tons: 0.07

Year: 2014  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.045

Year: 2013  
Gepaid: CAL000083123  
TSD EPA ID: UTD981552177  
CA Waste Code: 551 - Laboratory waste chemicals  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.15

[Click this hyperlink](#) while viewing on your computer to access  
9 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2021  
Gen EPA ID: CAL000083123

Shipment Date: 5/13/2020  
Creation Date: 6/5/2020  
Receipt Date: 5/26/2020  
Manifest ID: 000313235DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSD EPA ID: CAD980884183  
Trans Name: GEM Rancho Cordova LLC  
TSD Alt EPA ID: Not reported  
TSD Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D009,D011,D024  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2020  
Gen EPA ID: CAL000083123

Shipment Date: 5/13/2020  
Creation Date: 6/5/2020  
Receipt Date: 5/26/2020

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Manifest ID: 000313235DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980884183  
Trans Name: GEM Rancho Cordova LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D009,D011,D024  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2017  
Gen EPA ID: CAL000083123

Shipment Date: 20170725  
Creation Date: 6/27/2018 18:30:19  
Receipt Date: 20170811  
Manifest ID: 000185540DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.23  
Waste Quantity: 460  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20170725  
Creation Date: 6/27/2018 18:30:19  
Receipt Date: 20170811  
Manifest ID: 000185540DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D024  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.12  
Waste Quantity: 240  
Quantity Unit: P  
Additional Code 1: D011  
Additional Code 2: D009  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2014  
Gen EPA ID: CAL000083123

Shipment Date: 20141023  
Creation Date: 1/21/2016 22:15:11  
Receipt Date: Not reported  
Manifest ID: 007911360FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D024  
Meth Code: - Not reported  
Quantity Tons: 0.0825  
Waste Quantity: 165  
Quantity Unit: P  
Additional Code 1: D011  
Additional Code 2: D009  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20140121  
Creation Date: 6/10/2014 22:15:04  
Receipt Date: 20140205  
Manifest ID: 007141761FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 352 - Other organic solids  
RCRA Code: Not reported  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.045  
Waste Quantity: 90  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20140121  
Creation Date: 6/10/2014 22:15:04  
Receipt Date: 20140205  
Manifest ID: 007141761FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDF EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D024  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.07  
Waste Quantity: 140  
Quantity Unit: P  
Additional Code 1: D011  
Additional Code 2: D009  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2013  
Gen EPA ID: CAL000083123

Shipment Date: 20130604  
Creation Date: 10/25/2013 22:15:29  
Receipt Date: 20130622  
Manifest ID: 006694956FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENV SER  
TSDF EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Quantity Tons: 0.15  
Waste Quantity: 300  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**Additional Info:**

Year: 2012  
Gen EPA ID: CAL000083123

Shipment Date: 20121107  
Creation Date: 4/6/2013 22:15:15  
Receipt Date: 20121127  
Manifest ID: 004983105FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENV SVC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.14  
Waste Quantity: 280  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120214  
Creation Date: 12/5/2012 22:15:42  
Receipt Date: 20120305  
Manifest ID: 005091294FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.06  
Waste Quantity: 120  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120214  
Creation Date: 12/5/2012 22:15:42  
Receipt Date: 20120305  
Manifest ID: 005091294FLE  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2010  
Gen EPA ID: CAL000083123

Shipment Date: 20101215  
Creation Date: 2/8/2011 18:30:37  
Receipt Date: 20101220  
Manifest ID: 003489424JJK  
Trans EPA ID: CAR000192229  
Trans Name: BLUEWATER ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD982042475  
Trans Name: RECOLOGY ENVIRONMENTAL SOLUTIONS  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 151 - Asbestos-containing waste  
RCRA Code: Not reported  
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 13.6  
Waste Quantity: 34  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Shipment Date: 20101102  
Creation Date: 3/30/2011 18:30:20  
Receipt Date: 20101111  
Manifest ID: 003557768FLE  
Trans EPA ID: CAD982492399  
Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.0025  
Waste Quantity: 5  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20101102  
Creation Date: 3/30/2011 18:30:20  
Receipt Date: 20101111  
Manifest ID: 003557768FLE  
Trans EPA ID: CAD982492399  
Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.046  
Waste Quantity: 92  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2009  
Gen EPA ID: CAL000083123

Shipment Date: 20090623  
Creation Date: 8/17/2009 18:30:31  
Receipt Date: 20090701  
Manifest ID: 002488991FLE  
Trans EPA ID: CAD982492399

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20090623  
Creation Date: 8/17/2009 18:30:31  
Receipt Date: 20090701  
Manifest ID: 002488991FLE  
Trans EPA ID: CAD982492399  
Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
Waste Code Description: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.01  
Waste Quantity: 20  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20090623  
Creation Date: 8/17/2009 18:30:31  
Receipt Date: 20090701  
Manifest ID: 002488991FLE  
Trans EPA ID: CAD982492399  
Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.0125  
Waste Quantity: 25  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2008  
Gen EPA ID: CAL000083123

Shipment Date: 20080707  
Creation Date: 8/29/2008 18:30:24  
Receipt Date: 20080710  
Manifest ID: 001495803FLE  
Trans EPA ID: CAD982492399  
Trans Name: ALL CHEMICAL DISPOSAL INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported

Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: U058  
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.025  
Waste Quantity: 50  
Quantity Unit: P  
Additional Code 1: U010  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

HWTS:

Name: SETON MEDICAL CENTER COASTSIDE  
Address: 600 MARINE BLVD  
Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAL000083123  
Inactive Date: 06/30/2021  
Create Date: 07/27/1993  
Last Act Date: Not reported  
Mailing Name: Not reported  
Mailing Address: 1900 SULLIVAN AVE  
Mailing Address 2: Not reported  
Mailing City,State,Zip: DALY CITY, CA 94015  
Owner Name: SETON MEDICAL CENTER COASTSIDE VH

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

Owner Address: 1900 SULLIVAN AVE  
Owner Address 2: Not reported  
Owner City,State,Zip: DALY CITY, CA 94015  
Contact Name: ANGAD SINGH  
Contact Address: 600 MARINE BLVD  
Contact Address 2: Not reported  
City,State,Zip: DALY CITY, CA 94015  
Facility Status: Inactive  
Facility Type: PERMANENT  
Category: STATE  
Latitude: 37.524974  
Longitude: -122.508586

NAICS:  
EPA ID: CAL000083123  
Create Date: 2012-11-14 11:28:33.373  
NAICS Code: 623311  
NAICS Description: Continuing Care Retirement Communities  
Issued EPA ID Date: 1993-07-27 00:00:00  
Inactive Date: Not reported  
Facility Name: SETON MEDICAL CENTER COASTSIDE  
Facility Address: 600 MARINE BLVD  
Facility Address 2: Not reported  
Facility City: MOSS BEACH  
Facility County: Not reported  
Facility State: CA  
Facility Zip: 940380000

Name: AHMC SETON COASTSIDE  
Address: 600 MARINE BLVD  
Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 94038  
EPA ID: CAR000325407  
Inactive Date: 06/30/2021  
Create Date: 06/25/2021  
Last Act Date: Not reported  
Mailing Name: Not reported  
Mailing Address: 55 S RAYMOND AVE STE 105  
Mailing Address 2: Not reported  
Mailing City,State,Zip: ALHAMBRA, CA 91801  
Owner Name: AHMC SETON MEDICAL CENTER LLC  
Owner Address: 600 MARINE BLVD  
Owner Address 2: Not reported  
Owner City,State,Zip: MOSS BEACH, CA 94038  
Contact Name: MARK FELTT  
Contact Address: 600 MARINE BLVD  
Contact Address 2: Not reported  
City,State,Zip: MOSS BEACH, CA 94038  
Facility Status: Inactive  
Facility Type: PERMANENT  
Category: FEDERAL  
Latitude: 37.5265  
Longitude: -122.5077

NAICS:  
EPA ID: CAR000325407  
Create Date: 2021-06-25 15:04:02.783

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SETON MEDICAL CENTER COASTSIDE (Continued)**

**S113053971**

NAICS Code: 623110  
 NAICS Description: Nursing Care Facilities (Skilled Nursing Facilities)  
 Issued EPA ID Date: 2021-06-25 15:04:02.71300  
 Inactive Date: Not reported  
 Facility Name: AHMC SETON COASTSIDE  
 Facility Address: 600 MARINE BLVD  
 Facility Address 2: Not reported  
 Facility City: MOSS BEACH  
 Facility County: Not reported  
 Facility State: CA  
 Facility Zip: 94038

**M56**  
**East**  
**1/8-1/4**  
**0.175 mi.**  
**922 ft.**

**875 KELMORE ST**  
**MOSS BEACH, CA 94038**

**SWEEPS UST S106922211**  
**N/A**

**Site 1 of 2 in cluster M**

**Relative:**  
**Higher**  
**Actual:**  
**164 ft.**

**SWEEPS UST:**  
 Name: Not reported  
 Address: 875 KELMORE ST  
 City: MOSS BEACH  
 Status: Not reported  
 Comp Number: 10073  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 41-000-010073-000001  
 Tank Status: Not reported  
 Capacity: 550  
 Active Date: Not reported  
 Tank Use: OIL  
 STG: PRODUCT  
 Content: DIESEL  
 Number Of Tanks: 1

**M57**  
**East**  
**1/8-1/4**  
**0.175 mi.**  
**922 ft.**

**RESIDENCE**  
**875 KELMORE**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI S100853061**  
**N/A**

**Site 2 of 2 in cluster M**

**Relative:**  
**Higher**  
**Actual:**  
**164 ft.**

**San Mateo Co. BI:**  
 Name: RESIDENCE  
 Address: 875 KELMORE  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0014604  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0022065  
 Description: UNDERGROUND TANK - GENERAL  
 Facility Status: Inactive, non-billable

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RESIDENCE (Continued)**

**S100853061**

Program Category: UNDERGROUND TANK PROGRAM

**58**  
**SSE**  
**1/8-1/4**  
**0.175 mi.**  
**922 ft.**

**CYPRESS MEADOWS**  
**343 CYPRESS**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI**

**S123181915**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**52 ft.**

San Mateo Co. BI:  
 Name: CYPRESS MEADOWS  
 Address: 343 CYPRESS  
 City,State,Zip: MOSS BEACH, CA 94038  
 Region: SAN MATEO  
 Facility ID: FA0028968  
 Prog Element Code: 3098  
 Record Id: PR0076729  
 Description: STORMWATER - WET SEASON  
 Facility Status: Inactive, non-billable  
 Program Category: STORMWATER

**59**  
**South**  
**1/8-1/4**  
**0.188 mi.**  
**990 ft.**

**SEWER AUTHORITY MID COASTSIDE**  
**223 VERMONT AVE**  
**MOSS BEACH, CA 94038**

**RCRA NonGen / NLR**

**1026712408**  
**CAC003100643**

**Relative:**  
**Lower**  
**Actual:**  
**41 ft.**

RCRA Listings:  
 Date Form Received by Agency: 20210113  
 Handler Name: Sewer Authority Mid Coastside  
 Handler Address: 223 VERMONT AVE  
 Handler City,State,Zip: MOSS BEACH, CA 94038  
 EPA ID: CAC003100643  
 Contact Name: SEWER AUTHORITY MID COASTSIDE  
 Contact Address: 223 VERMONT AVE  
 Contact City,State,Zip: MOSS BEACH, CA 94038  
 Contact Telephone: 415-310-5950  
 Contact Fax: Not reported  
 Contact Email: JGONZALEZ@RMC.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Not reported  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: 223 VERMONT AVE  
 Mailing City,State,Zip: MOSS BEACH, CA 94038  
 Owner Name: Sewer Authority Mid Coastside  
 Owner Type: Other  
 Operator Name: Sewer Authority Mid Coastside  
 Operator Type: Other  
 Short-Term Generator Activity: No  
 Importer Activity: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SEWER AUTHORITY MID COASTSIDE (Continued)**

**1026712408**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SEWER AUTHORITY MID COASTSIDE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	223 VERMONT AVE
Owner/Operator City,State,Zip:	MOSS BEACH, CA 94038
Owner/Operator Telephone:	415-310-5950
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SEWER AUTHORITY MID COASTSIDE
Legal Status:	Other
Date Became Current:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEWER AUTHORITY MID COASTSIDE (Continued)**

**1026712408**

Date Ended Current: Not reported  
Owner/Operator Address: 223 VERMONT AVE  
Owner/Operator City,State,Zip: MOSS BEACH, CA 94038  
Owner/Operator Telephone: 415-310-5950  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210113  
Handler Name: SEWER AUTHORITY MID COASTSIDE  
Federal Waste Generator Description: Not a generator, verified  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 56299  
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**60  
NNW  
1/8-1/4  
0.201 mi.  
1060 ft.**

**REILEY RESIDENCE  
101 12TH ST.  
MONTARA, CA 94037**

**LUST S118821916  
Cortese N/A  
CERS**

**Relative:  
Higher  
Actual:  
100 ft.**

SAN MATEO CO. LUST:  
Name: REILEY RESIDENCE  
Address: 101 12TH ST  
City,State,Zip: MONTARA, CA  
Region: SAN MATEO  
Facility ID: 018046  
Facility Status: 9- Case Closed  
Global ID: T10000009197  
APN Number: 036351150  
Case Type: MONTARA, CA  
EDR Link ID: MONTARA, CA

LUST:

Name: REILEY RESIDENCE  
Address: 101 12TH ST.  
City,State,Zip: MONTARA, CA 94037

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REILEY RESIDENCE (Continued)**

**S118821916**

Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000009197](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000009197)  
Global Id: T10000009197  
Latitude: 37.53925  
Longitude: -122.51763  
Status: Completed - Case Closed  
Status Date: 05/09/2017  
Case Worker: JM  
RB Case Number: Not reported  
Local Agency: SAN MATEO COUNTY LOP  
File Location: Not reported  
Local Case Number: 018046  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Naphthalene, Toluene, Xylene  
Site History: Not reported

**LUST:**

Global Id: T10000009197  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS, Suite 100  
City: SAN MATEO  
Email: [jmadden@smcgov.org](mailto:jmadden@smcgov.org)  
Phone Number: 6503995959

Global Id: T10000009197  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**LUST:**

Global Id: T10000009197  
Action Type: ENFORCEMENT  
Date: 05/09/2017  
Action: Closure/No Further Action Letter - #20170509

Global Id: T10000009197  
Action Type: ENFORCEMENT  
Date: 02/16/2017  
Action: Staff Letter - #20170216

Global Id: T10000009197  
Action Type: ENFORCEMENT  
Date: 08/03/2016  
Action: Notice of Responsibility - #20160803

Global Id: T10000009197  
Action Type: Other  
Date: 07/12/2016  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REILEY RESIDENCE (Continued)**

**S118821916**

Global Id: T10000009197  
Action Type: RESPONSE  
Date: 07/31/2016  
Action: Tank Removal Report / UST Sampling Report

Global Id: T10000009197  
Action Type: ENFORCEMENT  
Date: 08/02/2016  
Action: Notice of Responsibility - #20160802

Global Id: T10000009197  
Action Type: Other  
Date: 07/12/2016  
Action: Leak Stopped

Global Id: T10000009197  
Action Type: Other  
Date: 07/12/2016  
Action: Leak Discovery

Global Id: T10000009197  
Action Type: RESPONSE  
Date: 08/15/2016  
Action: Unauthorized Release Form

Global Id: T10000009197  
Action Type: RESPONSE  
Date: 09/13/2016  
Action: Tank Removal Report / UST Sampling Report

**LUST:**

Global Id: T10000009197  
Status: Open - Case Begin Date  
Status Date: 07/12/2016

Global Id: T10000009197  
Status: Open - Eligible for Closure  
Status Date: 08/01/2016

Global Id: T10000009197  
Status: Completed - Case Closed  
Status Date: 05/09/2017

**CORTESE:**

Name: REILEY RESIDENCE  
Address: 101 12TH ST.  
City,State,Zip: MONTARA, CA 94037  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T10000009197  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REILEY RESIDENCE (Continued)**

**S118821916**

Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**CERS:**

Name: REILEY RESIDENCE  
Address: 101 12TH ST.  
City,State,Zip: MONTARA, CA 94037  
Site ID: 375816  
CERS ID: T1000009197  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: JACOB MADDEN - SAN MATEO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 2000 ALAMEDA DE LAS PULGAS, Suite 100  
Affiliation City: SAN MATEO  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 6503995959,  
  
Affiliation Type Desc: Regional Board Caseworker  
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)  
Entity Title: Not reported  
Affiliation Address: 1515 CLAY ST SUITE 1400  
Affiliation City: OAKLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

61  
SSE  
1/8-1/4  
0.226 mi.  
1194 ft.

**TRUJILLO RESIDENCE**  
**1065 PARK WY**  
**MOSS BEACH, CA**

**LUST S119762173**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**65 ft.**

**SAN MATEO CO. LUST:**  
Name: TRUJILLO RESIDENCE  
Address: 1065 PARK WY  
City,State,Zip: MOSS BEACH, CA  
Region: SAN MATEO  
Facility ID: 019048  
Facility Status: 3B- Preliminary Assessment Underway  
Global ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUJILLO RESIDENCE (Continued)**

**S119762173**

APN Number: 037226100  
Case Type: MOSS BEACH, CA  
EDR Link ID: MOSS BEACH, CA

**62**  
**South**  
**1/8-1/4**  
**0.231 mi.**  
**1220 ft.**

**XENIA CONCEPTS**  
**221 CYPRESS**  
**MOSS BEACH, CA 94038**

**San Mateo Co. BI**

**S123183684**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**54 ft.**

San Mateo Co. BI:  
Name: XENIA CONCEPTS  
Address: 221 CYPRESS  
City,State,Zip: MOSS BEACH, CA 94038  
Region: SAN MATEO  
Facility ID: FA0055668  
Prog Element Code: 3098  
Record Id: PR0076733  
Description: STORMWATER - WET SEASON  
Facility Status: Inactive, non-billable  
Program Category: STORMWATER

**N63**  
**SE**  
**1/8-1/4**  
**0.238 mi.**  
**1255 ft.**

**AT&T MOBILITY (12776)**  
**9852 CABRILLO N HWY**  
**HALF MOON BAY, CA 94019**

**San Mateo Co. BI**

**S125910971**  
**N/A**

**Site 1 of 8 in cluster N**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

San Mateo Co. BI:  
Name: AT&T MOBILITY (12776)  
Address: 9852 CABRILLO N HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0066679  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0089856  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: Inactive, non-billable  
Program Category: BUSINESS PLAN PROGRAM

**N64**  
**SE**  
**1/8-1/4**  
**0.238 mi.**  
**1255 ft.**

**AT & T MOBILITY- HMB 1 /12776**  
**9852 HWY 1**  
**HALF MOON BAY, CA 94019**

**San Mateo Co. BI**

**S113758196**  
**N/A**

**Site 2 of 8 in cluster N**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

San Mateo Co. BI:  
Name: AT & T MOBILITY- HMB 1 /12776  
Address: 9852 HWY 1  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0029731  
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE  
Record Id: PR0051165  
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AT & T MOBILITY- HMB 1 /12776 (Continued)**

**S113758196**

Facility Status: Inactive, non-billable  
 Program Category: STORMWATER

Name: AT & T MOBILITY- HMB 1 /12776  
 Address: 9852 HWY 1  
 City,State,Zip: HALF MOON BAY, CA 94019  
 Region: SAN MATEO  
 Facility ID: FA0029731  
 Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
 Record Id: PR0051164  
 Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
 Facility Status: Inactive, non-billable  
 Program Category: BUSINESS PLAN PROGRAM

**N65**  
**SE**  
**1/8-1/4**  
**0.240 mi.**  
**1267 ft.**

**IACOPI FARMS**  
**9850 N CABRILLO HWY**  
**HALF MOON BAY, CA 94019**

**RCRA NonGen / NLR**

**1024861986**  
**CAL000430493**

**Site 3 of 8 in cluster N**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

RCRA Listings:  
 Date Form Received by Agency: 20170905  
 Handler Name: Iacopi Farms  
 Handler Address: 9850 N CABRILLO HWY  
 Handler City,State,Zip: HALF MOON BAY, CA 94019  
 EPA ID: CAL000430493  
 Contact Name: LOUIS IACOPI OWNER  
 Contact Address: 9850 N CABRILLO HWY  
 Contact City,State,Zip: HALF MOON BAY, CA 94019  
 Contact Telephone: 650-743-8925  
 Contact Fax: Not reported  
 Contact Email: CROME01@AOL.COM  
 Contact Title: Not reported  
 EPA Region: 09  
 Land Type: Not reported  
 Federal Waste Generator Description: Not a generator, verified  
 Non-Notifier: Not reported  
 Biennial Report Cycle: Not reported  
 Accessibility: Not reported  
 Active Site Indicator: Handler Activities  
 State District Owner: Not reported  
 State District: Not reported  
 Mailing Address: PO BOX 336  
 Mailing City,State,Zip: HALF MOON BAY, CA 94019  
 Owner Name: Louis Iacopi  
 Owner Type: Other  
 Operator Name: Louis Iacopi Owner  
 Operator Type: Other  
 Short-Term Generator Activity: No  
 Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility Activity: No  
 Recycler Activity with Storage: No  
 Small Quantity On-Site Burner Exemption: No  
 Smelting Melting and Refining Furnace Exemption: No  
 Underground Injection Control: No  
 Off-Site Waste Receipt: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

1024861986

Universal Waste Indicator: Yes  
Universal Waste Destination Facility: Yes  
Federal Universal Waste: No  
Active Site State-Reg Handler: ---  
Federal Facility Indicator: Not reported  
Hazardous Secondary Material Indicator: N  
Sub-Part K Indicator: Not reported  
2018 GPRC Permit Baseline: Not on the Baseline  
2018 GPRC Renewals Baseline: Not on the Baseline  
202 GPRC Corrective Action Baseline: No  
Subject to Corrective Action Universe: No  
Non-TSDFs Where RCRA CA has Been Imposed Universe: No  
Corrective Action Priority Ranking: No NCAPS ranking  
Environmental Control Indicator: No  
Institutional Control Indicator: No  
Human Exposure Controls Indicator: N/A  
Groundwater Controls Indicator: N/A  
Significant Non-Complier Universe: No  
Unaddressed Significant Non-Complier Universe: No  
Addressed Significant Non-Complier Universe: No  
Significant Non-Complier With a Compliance Schedule Universe: No  
Financial Assurance Required: Not reported  
Handler Date of Last Change: 20180907  
Recognized Trader-Importer: No  
Recognized Trader-Exporter: No  
Importer of Spent Lead Acid Batteries: No  
Exporter of Spent Lead Acid Batteries: No  
Recycler Activity Without Storage: No  
Manifest Broker: No  
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: LOUIS IACOPI OWNER  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: 9850 N CABRILLO HWY  
Owner/Operator City,State,Zip: HALF MOON BAY, CA 94019  
Owner/Operator Telephone: 650-743-8925  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOUIS IACOPI  
Legal Status: Other  
Date Became Current: Not reported  
Date Ended Current: Not reported  
Owner/Operator Address: PO BOX 336  
Owner/Operator City,State,Zip: HALF MOON BAY, CA 94019  
Owner/Operator Telephone: 650-743-8925  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IACOPI FARMS (Continued)**

**1024861986**

Historic Generators:

Receive Date:	20170905
Handler Name:	IACOPI FARMS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44421
NAICS Description:	OUTDOOR POWER EQUIPMENT STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

**N66  
 SE  
 1/8-1/4  
 0.240 mi.  
 1267 ft.**

**IACOPI FARMS  
 9850 N CABRILLO HWY  
 HALF MOON BAY, CA 94019**

**CERS HAZ WASTE S121782427  
 CERS N/A  
 HWTS**

**Site 4 of 8 in cluster N**

**Relative:  
 Higher  
 Actual:  
 80 ft.**

<b>CERS HAZ WASTE:</b>	
Name:	IACOPI FARMS
Address:	9850 N CABRILLO HWY
City,State,Zip:	HALF MOON BAY, CA 94019
Site ID:	426247
CERS ID:	10744429
CERS Description:	Hazardous Waste Generator

**CERS:**

Name:	IACOPI FARMS
Address:	9850 N CABRILLO HWY
City,State,Zip:	HALF MOON BAY, CA 94019
Site ID:	426247
CERS ID:	10744429
CERS Description:	Chemical Storage Facilities

**Violations:**

Site ID:	426247
Site Name:	IACOPI FARMS
Violation Date:	08-19-2021
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IACOPI FARMS (Continued)**

**S121782427**

Violation Notes:	Returned to compliance on 08/31/2021. The existing EPA ID number, CAL000430493, is inactive at this time. Reactivate the existing EPA ID number within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	426247
Site Name:	IACOPI FARMS
Violation Date:	08-25-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 10/20/2017. OBSERVATION: [INITIAL / ANNUAL] training documentation for all applicable employees was not available. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	426247
Site Name:	IACOPI FARMS
Violation Date:	08-25-2017
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes:	Returned to compliance on 09/16/2017. OBSERVATION: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions. CORRECTIVE ACTION: Provide verification to the CUPA that the property owner has been properly notified.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	426247
Site Name:	IACOPI FARMS
Violation Date:	08-19-2021
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/16/2021. The existing HMBP was last submitted in March 2020. Review the existing HMBP, make any necessary revisions, and submit within 30 days. within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

S121782427

Site ID: 426247  
Site Name: IACOPI FARMS  
Violation Date: 08-25-2017  
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12  
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.  
Violation Notes: Returned to compliance on 09/05/2017. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA by 30 DAYS . APPLIED FOR A NUMBER TODAY  
Violation Division: San Mateo County Environmental Health  
Violation Program: HW  
Violation Source: CERS,

Site ID: 426247  
Site Name: IACOPI FARMS  
Violation Date: 09-09-2021  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 10/16/2021.  
Violation Division: San Mateo County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-19-2021  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with Louis Iacopi to conduct a Hazardous Materials Business Plan Program inspection. I inspected the aboveground diesel fuel tank and hazardous materials storage locations and I didn't observe any signs of a hazardous materials release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-19-2021  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: I met on-site with Louis Iacopi to conduct a Hazardous Waste Generator Program inspection. Iacopi Farms generates waste oil from equipment maintenance activities and takes it to their mechanic or a public recycling center for disposal. I didn't observe any signs of a hazardous waste release.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

S121782427

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 10-20-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: HERE FOR A FOLLOW UP INSPECTION. ALL VIOLATIONS ARE CORRECTED.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 11-07-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 02-20-2019  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 03-20-2020  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 11-14-2022  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-09-2019  
Violations Found: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

S121782427

Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 08-24-2017  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 09-09-2021  
Violations Found: Yes  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Other/Unknown  
Eval Date: 12-01-2021  
Violations Found: No  
Eval Type: Other, not routine, done by local agency  
Eval Notes: Not reported  
Eval Division: San Mateo County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-09-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: This site genereate about 25 gallons of used.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 08-25-2017  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: THIS SITE ONLY GENERATES USED OIL FROM THE TRACTOR.  
Eval Division: San Mateo County Environmental Health  
Eval Program: HW  
Eval Source: CERS,

Affiliation:  
Affiliation Type Desc: Document Preparer  
Entity Name: ROBERT REED  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

S121782427

Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner  
Entity Name: IACOPI, MICHAEL  
Entity Title: Not reported  
Affiliation Address: 9850 N CABRILLO HWY  
Affiliation City: HALF MOON BAY  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 94019  
Affiliation Phone: (650) 743-8925,

Affiliation Type Desc: Operator  
Entity Name: LOUIS IACOPI  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (650) 743-8925,

Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94403  
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Environmental Contact  
Entity Name: LOUIS IACOPI  
Entity Title: Not reported  
Affiliation Address: P. O. BOX 336  
Affiliation City: HALF MOON BAY  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer  
Entity Name: LOUIS IACOPI  
Entity Title: OWNER  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation  
Entity Name: IACOPI FARMS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IACOPI FARMS (Continued)

S121782427

Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 9850 N CABRILLO HWY  
Affiliation City: HALF MOON BAY  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94019  
Affiliation Phone: ,

HWTS:

Name: IACOPI FARMS  
Address: 9850 N CABRILLO HWY  
Address 2: Not reported  
City,State,Zip: HALF MOON BAY, CA 94019  
EPA ID: CAL000430493  
Inactive Date: Not reported  
Create Date: 09/05/2017  
Last Act Date: Not reported  
Mailing Name: Not reported  
Mailing Address: 408 SPRUCE STREET  
Mailing Address 2: Not reported  
Mailing City,State,Zip: HALF MOON BAY, CA 94019  
Owner Name: LOUIS IACOPI  
Owner Address: 408 SPRUCE STREET  
Owner Address 2: Not reported  
Owner City,State,Zip: HALF MOON BAY, CA 94019  
Contact Name: MIKE IACOPI  
Contact Address: 9850 N CABRILLO HWY  
Contact Address 2: Not reported  
City,State,Zip: HALF MOON BAY, CA 94019  
Facility Status: Active  
Facility Type: PERMANENT  
Category: STATE  
Latitude: 37.51410036  
Longitude: -122.494009

NAICS:

EPA ID: CAL000430493  
Create Date: 2017-09-05 15:32:37.987  
NAICS Code: 44421  
NAICS Description: Outdoor Power Equipment Stores  
Issued EPA ID Date: 2017-09-05 15:32:37.98300  
Inactive Date: 2020-06-30 00:00:00  
Facility Name: IACOPI FARMS  
Facility Address: 9850 N CABRILLO HWY  
Facility Address 2: Not reported  
Facility City: HALF MOON BAY

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IACOPI FARMS (Continued)**

**S121782427**

Facility County: Not reported  
 Facility State: CA  
 Facility Zip: 94019

**N67**  
**SE**  
**1/8-1/4**  
**0.240 mi.**  
**1267 ft.**

**HALF MOON BAY AIRPORT**  
**9850 CABRILLO HWY N**  
**HALF MOON BAY, CA 94019**

**RCRA NonGen / NLR**

**1024795804**  
**CAL000170574**

**Site 5 of 8 in cluster N**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

RCRA Listings:	
Date Form Received by Agency:	19980904
Handler Name:	Half Moon Bay Airport
Handler Address:	9850 CABRILLO HWY N
Handler City,State,Zip:	HALF MOON BAY, CA 94019-0000
EPA ID:	CAL000170574
Contact Name:	MARTIN WRAY
Contact Address:	620 AIRPORT WY
Contact City,State,Zip:	SAN CARLOS, CA 94070
Contact Telephone:	650-573-3700
Contact Fax:	650-593-3762
Contact Email:	MWRAY@SMCGOV.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	620 AIRPORT DRIVE
Mailing City,State,Zip:	SAN CARLOS, CA 94070-0000
Owner Name:	Cnty Of San Mateo Dept Of Publ
Owner Type:	Other
Operator Name:	Martin Wray
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**1024795804**

202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARTIN WRAY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	620 AIRPORT WY
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070
Owner/Operator Telephone:	650-573-3700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CNTY OF SAN MATEO DEPT OF PUBL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	620 AIRPORT DRIVE
Owner/Operator City,State,Zip:	SAN CARLOS, CA 94070-0000
Owner/Operator Telephone:	650-573-3700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19980904
Handler Name: HALF MOON BAY AIRPORT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**1024795804**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
List of NAICS Codes and Descriptions:	
NAICS Code:	92119
NAICS Description:	OTHER GENERAL GOVERNMENT SUPPORT
Facility Has Received Notices of Violations:	
Violations:	No Violations Found
Evaluation Action Summary:	
Evaluations:	No Evaluations Found

**N68**  
**SE**  
**1/8-1/4**  
**0.240 mi.**  
**1267 ft.**

**WEST COAST AVIATION CO**  
**9850 N CABRILLO HWY #43**  
**HALF MOON BAY, CA 94019**  
**Site 6 of 8 in cluster N**

**RCRA NonGen / NLR**

**1024861981**  
**CAL000430488**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

RCRA Listings:	
Date Form Received by Agency:	20170905
Handler Name:	West Coast Aviation Co
Handler Address:	9850 N CABRILLO HWY #43
Handler City,State,Zip:	HALF MOON BAY, CA 94019
EPA ID:	CAL000430488
Contact Name:	PAUL SYLVESTRI PRESIDENT
Contact Address:	9850 N CABRILLO HWY #43
Contact City,State,Zip:	HALF MOON BAY, CA 94019
Contact Telephone:	415-271-2647
Contact Fax:	Not reported
Contact Email:	WSTCOASTAVIATION@AOL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	9850 N CABRILLO HWY #43
Mailing City,State,Zip:	HALF MOON BAY, CA 94019
Owner Name:	West Coast Aviation Co
Owner Type:	Other
Operator Name:	Paul Sylvestri President
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST COAST AVIATION CO (Continued)**

**1024861981**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

**Handler - Owner Operator:**

Owner/Operator Indicator:	Owner
Owner/Operator Name: WEST COAST AVIATION CO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9850 N CABRILLO HWY #43
Owner/Operator City,State,Zip:	HALF MOON BAY, CA 94019
Owner/Operator Telephone:	415-271-2647
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PAUL SYLVESTRI PRESIDENT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9850 N CABRILLO HWY #43
Owner/Operator City,State,Zip:	HALF MOON BAY, CA 94019

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST COAST AVIATION CO (Continued)**

**1024861981**

Owner/Operator Telephone: 415-271-2647  
 Owner/Operator Telephone Ext: Not reported  
 Owner/Operator Fax: Not reported  
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20170905  
 Handler Name: WEST COAST AVIATION CO  
 Federal Waste Generator Description: Not a generator, verified  
 State District Owner: Not reported  
 Large Quantity Handler of Universal Waste: No  
 Recognized Trader Importer: No  
 Recognized Trader Exporter: No  
 Spent Lead Acid Battery Importer: No  
 Spent Lead Acid Battery Exporter: No  
 Current Record: Yes  
 Non Storage Recycler Activity: Not reported  
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56172  
 NAICS Description: JANITORIAL SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**N69**  
**SE**  
**1/8-1/4**  
**0.240 mi.**  
**1267 ft.**

**HALF MOON BAY AIRPORT**  
**9850 CABRILLO HWY**  
**MOSS BEACH, CA 94019**  
**Site 7 of 8 in cluster N**

**SWEEPS UST** **S106927021**  
**San Mateo Co. BI** **N/A**  
**EMI**  
**NPDES**  
**CIWQS**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**80 ft.**

SWEEPS UST:  
 Name: HALF MOON BAY AIRPORT  
 Address: 9850 CABRILLO HWY  
 City: MOSS BEACH  
 Status: Not reported  
 Comp Number: 10037  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 41-000-010037-000001  
 Tank Status: Not reported  
 Capacity: 10000  
 Active Date: Not reported  
 Tank Use: M.V. FUEL  
 STG: PRODUCT  
 Content: AVIA. GAS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Number Of Tanks: 2

Name: HALF MOON BAY AIRPORT  
Address: 9850 CABRILLO HWY  
City: MOSS BEACH  
Status: Not reported  
Comp Number: 10037  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-010037-000002  
Tank Status: Not reported  
Capacity: 10000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: AVIA. GAS  
Number Of Tanks: Not reported

San Mateo Co. BI:

Name: IACOPI FARMS  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0062273  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0085104  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: Active, billable  
Program Category: BUSINESS PLAN PROGRAM

Name: IACOPI FARMS  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0062273  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0085105  
Description: GENERATES <27 GAL/YEAR  
Facility Status: Active, billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: WEST COAST AVIATION  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0062274  
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE  
Record Id: PR0086909  
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS  
Facility Status: Inactive, non-billable  
Program Category: STORMWATER

Name: WEST COAST AVIATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Region: SAN MATEO  
Facility ID: FA0062274  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0085108  
Description: GENERATES <27 GAL/YEAR  
Facility Status: Inactive, non-billable  
Program Category: HAZARDOUS WASTE PROGRAM

**EMI:**

Name: COUNTY OF SAN MATEO  
Address: 9850 CABRILLO HWY N  
City,State,Zip: HALF MOON BAY, CA 94019  
Year: 2018  
County Code: 41  
Air Basin: SF  
Facility ID: 100625  
Air District Name: BA  
SIC Code: 5411  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.004338046  
Reactive Organic Gases Tons/Yr: 0.004338046  
Carbon Monoxide Emissions Tons/Yr: Not reported  
NOX - Oxides of Nitrogen Tons/Yr: Not reported  
SOX - Oxides of Sulphur Tons/Yr: Not reported  
Particulate Matter Tons/Yr: Not reported  
Part. Matter 10 Micrometers and Smlr Tons/Yr: Not reported

**NPDES:**

Name: HALF MOON BAY AIRPORT  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported  
Place ID: Not reported  
Order Number: Not reported  
WDID: 2 41I002339  
Regulatory Measure Type: Industrial  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: Not reported  
Discharge Name: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Status: Active  
Status Date: 03/31/1992

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Operator Name: San Mateo Cnty  
Operator Address: 620 Airport Dr  
Operator City: San Carlos  
Operator State: California  
Operator Zip: 94070

NPDES as of 03/2018:  
NPDES Number: Not reported  
Status: Not reported  
Agency Number: Not reported  
Region: 2  
Regulatory Measure ID: 182857  
Order Number: Not reported  
Regulatory Measure Type: Industrial  
Place ID: Not reported  
WDID: 2 411002339  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Received Date: 05/09/2008  
Processed Date: 03/31/1992  
Status: Active  
Status Date: 03/31/1992  
Place Size: 290  
Place Size Unit: Acres  
Contact: Gretchen Kelly  
Contact Title: Airport Manager  
Contact Phone: 650-573-3700  
Contact Phone Ext: Not reported  
Contact Email: gkelly@smcgov.org  
Operator Name: San Mateo Cnty  
Operator Address: 620 Airport Dr  
Operator City: San Carlos  
Operator State: California  
Operator Zip: 94070  
Operator Contact: Gretchen Kelly  
Operator Contact Title: Airport Manager  
Operator Contact Phone: 650-573-3700  
Operator Contact Phone Ext: Not reported  
Operator Contact Email: gkelly@smcgov.org  
Operator Type: Other  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: California  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: 650-722-4566  
Emergency Phone Ext: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Half Moon Bay Pacific Ocean
Certifier:	Debra Cullen
Certifier Title:	Airport Operations Specialist
Certification Date:	09-MAR-15
Primary Sic:	4581-Airports, Flying Fields, and Airport Terminal Services
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182857
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 411002339
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/31/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Mateo Cnty
Discharge Address:	620 Airport Dr
Discharge City:	San Carlos
Discharge State:	California
Discharge Zip:	94070
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HALF MOON BAY AIRPORT (Continued)

S106927021

Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported  
Operator Contact: Not reported  
Operator Contact Title: Not reported  
Operator Contact Phone: Not reported  
Operator Contact Phone Ext: Not reported  
Operator Contact Email: Not reported  
Operator Type: Not reported  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: Not reported  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: Not reported  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported  
Dir Discharge Uswater Ind: Not reported  
Receiving Water Name: Not reported  
Certifier: Not reported  
Certifier Title: Not reported  
Certification Date: Not reported  
Primary Sic: Not reported  
Secondary Sic: Not reported  
Tertiary Sic: Not reported

Name: HALF MOON BAY AIRPORT  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Facility Status: Active  
NPDES Number: CAS000001  
Region: 2  
Agency Number: 0  
Regulatory Measure ID: 182857  
Place ID: Not reported  
Order Number: 97-03-DWQ  
WDID: 2 411002339  
Regulatory Measure Type: Enrollee

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 03/31/1992  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: 620 Airport Dr  
Discharge Name: San Mateo Cnty  
Discharge City: San Carlos  
Discharge State: California  
Discharge Zip: 94070  
Status: Not reported  
Status Date: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported

NPDES as of 03/2018:  
NPDES Number: Not reported  
Status: Not reported  
Agency Number: Not reported  
Region: 2  
Regulatory Measure ID: 182857  
Order Number: Not reported  
Regulatory Measure Type: Industrial  
Place ID: Not reported  
WDID: 2 411002339  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Received Date: 05/09/2008  
Processed Date: 03/31/1992  
Status: Active  
Status Date: 03/31/1992  
Place Size: 290  
Place Size Unit: Acres  
Contact: Gretchen Kelly  
Contact Title: Airport Manager  
Contact Phone: 650-573-3700  
Contact Phone Ext: Not reported  
Contact Email: gkelly@smcgov.org  
Operator Name: San Mateo Cnty  
Operator Address: 620 Airport Dr  
Operator City: San Carlos  
Operator State: California  
Operator Zip: 94070  
Operator Contact: Gretchen Kelly  
Operator Contact Title: Airport Manager  
Operator Contact Phone: 650-573-3700  
Operator Contact Phone Ext: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Operator Contact Email: gkelly@smcgov.org  
Operator Type: Other  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: California  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: 650-722-4566  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported  
Dir Discharge Uswater Ind: N  
Receiving Water Name: Half Moon Bay Pacific Ocean  
Certifier: Debra Cullen  
Certifier Title: Airport Operations Specialist  
Certification Date: 09-MAR-15  
Primary Sic: 4581-Airports, Flying Fields, and Airport Terminal Services  
Secondary Sic: Not reported  
Tertiary Sic: Not reported  
  
NPDES Number: CAS000001  
Status: Active  
Agency Number: 0  
Region: 2  
Regulatory Measure ID: 182857  
Order Number: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place ID: Not reported  
WDID: 2 411002339  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 03/31/1992  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: San Mateo Cnty  
Discharge Address: 620 Airport Dr  
Discharge City: San Carlos  
Discharge State: California  
Discharge Zip: 94070  
Received Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

**CIWQS:**

Name: HALF MOON BAY AIRPORT  
Address: 9850 CABRILLO HWY  
City,State,Zip: HALF MOON BAY, CA 94019  
Agency: San Mateo Cnty  
Agency Address: 620 Airport Dr, San Carlos, CA 94070  
Place/Project Type: Industrial - Airports, Flying Fields, and Airport Terminal Services  
SIC/NAICS: 4581  
Region: 2  
Program: INDSTW  
Regulatory Measure Status: Active  
Regulatory Measure Type: Storm water industrial  
Order Number: 2014-0057-DWQ  
WDID: 2 411002339  
NPDES Number: CAS000001  
Adoption Date: Not reported  
Effective Date: 03/31/1992  
Termination Date: Not reported  
Expiration/Review Date: Not reported  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 37.46896  
Longitude: -122.4336

**CERS:**

Name: T-MOBILE WEST, LLC SF03106A  
Address: 9850 CABRILLO HWY N  
City,State,Zip: HALF MOON BAY, CA 94019  
Site ID: 614883  
CERS ID: 10807687  
CERS Description: Chemical Storage Facilities

**Coordinates:**

Site ID: 614883  
Facility Name: T-Mobile West, LLC SF03106A  
Env Int Type Code: HMBP  
Program ID: 10807687  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.,  
Latitude: 37.513130  
Longitude: -122.498090

**Affiliation:**

Affiliation Type Desc: Parent Corporation  
Entity Name: T-MOBILE WEST, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HALF MOON BAY AIRPORT (Continued)

S106927021

Affiliation Type Desc: Identification Signer  
Entity Name: Donna Kellison  
Entity Title: Project Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Operator  
Entity Name: T-MOBILE WEST, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (925) 521-5525,

Affiliation Type Desc: CUPA District  
Entity Name: San Mateo County Environmental Health  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: San Mateo  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94403  
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Document Preparer  
Entity Name: Donna Kellison  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact  
Entity Name: Kelly Michaels  
Entity Title: Not reported  
Affiliation Address: 4100 Guardian St., Suite 101  
Affiliation City: Simi Valley  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93063  
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1200 Concord Ave., Suite 500  
Affiliation City: Concord  
Affiliation State: CA  
Affiliation Country: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S106927021**

Affiliation Zip: 94520  
 Affiliation Phone: ,  
 Affiliation Type Desc: Legal Owner  
 Entity Name: T-MOBILE WEST, LLC  
 Entity Title: Not reported  
 Affiliation Address: 12920 SE 38th Street  
 Affiliation City: Bellevue  
 Affiliation State: WA  
 Affiliation Country: United States  
 Affiliation Zip: 98006  
 Affiliation Phone: (425) 383-4000,

Name: HALF MOON BAY AIRPORT  
 Address: 9850 CABRILLO HWY  
 City,State,Zip: HALF MOON BAY, CA 94019  
 Site ID: 533327  
 CERS ID: 229505  
 CERS Description: Industrial Facility Storm Water

Violations:  
 Site ID: 533327  
 Site Name: Half Moon Bay Airport  
 Violation Date: 08-05-2005  
 Citation: 2014-0057-DWQ - Industrial General Permit  
 Violation Description: SW - Late Report  
 Violation Notes: Failure to submit 2004/2005 annual report by July 1, 2005  
 Violation Division: Water Boards  
 Violation Program: INDSTW  
 Violation Source: SMARTS,

Affiliation:  
 Affiliation Type Desc: Owner/Operator  
 Entity Name: San Mateo Cnty  
 Entity Title: Operator  
 Affiliation Address: 620 Airport Dr  
 Affiliation City: San Carlos  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 94070  
 Affiliation Phone: ,

**N70**      **HALF MOON BAY AIRPORT**  
**SE**      **9850 HWY 1**  
**1/8-1/4**      **HALF MOON BAY, CA 94038**  
**0.240 mi.**  
**1267 ft.**      **Site 8 of 8 in cluster N**

**San Mateo Co. BI**      **S110275382**  
**N/A**

**Relative:**      San Mateo Co. BI:  
**Higher**      Name: HALF MOON BAY AIRPORT  
 Address: 9850 HWY 1  
**Actual:**      City,State,Zip: HALF MOON BAY, CA 94038  
**80 ft.**      Region: SAN MATEO  
                  Facility ID: FA0009570  
                  Prog Element Code: UNDERGROUND TANK - GENERAL  
                  Record Id: PR0022049

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY AIRPORT (Continued)**

**S110275382**

Description: UNDERGROUND TANK - GENERAL  
Facility Status: Inactive, non-billable  
Program Category: UNDERGROUND TANK PROGRAM

Name: HALF MOON BAY AIRPORT  
Address: 9850 HWY 1  
City,State,Zip: HALF MOON BAY, CA 94038  
Region: SAN MATEO  
Facility ID: FA0009570  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0023312  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: Active, billable  
Program Category: BUSINESS PLAN PROGRAM

Name: HALF MOON BAY AIRPORT  
Address: 9850 HWY 1  
City,State,Zip: HALF MOON BAY, CA 94038  
Region: SAN MATEO  
Facility ID: FA0009570  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0023313  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: Active, billable  
Program Category: HAZARDOUS WASTE PROGRAM

Name: HALF MOON BAY AIRPORT  
Address: 9850 HWY 1  
City,State,Zip: HALF MOON BAY, CA 94038  
Region: SAN MATEO  
Facility ID: FA0009570  
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE  
Record Id: PR0069954  
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS  
Facility Status: Active, billable  
Program Category: STORMWATER

Name: HALF MOON BAY AIRPORT  
Address: 9850 HWY 1  
City,State,Zip: HALF MOON BAY, CA 94038  
Region: SAN MATEO  
Facility ID: FA0009570  
Prog Element Code: 2354  
Record Id: PR0034090  
Description: TANK STOR CAP => 10,000 AND <100,000 GAL  
Facility Status: Active, billable  
Program Category: ABOVE GROUND PETROLEUM STORAGE (AST)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**071**  
**North**  
**1/4-1/2**  
**0.341 mi.**  
**1803 ft.**  
**CALTRANS MONTARA**  
**ADJ 8450 CABRILLO HIGHWAY**  
**MONTARA, CA 94037**  
**Site 1 of 2 in cluster O**

**LUST** **S120761116**  
**Cortese** **N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**84 ft.**

**LUST:**  
Name: CALTRANS MONTARA  
Address: ADJ 8450 CABRILLO HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000010332](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010332)  
Global Id: T10000010332  
Latitude: 37.5411745631945  
Longitude: -122.516578017197  
Status: Completed - Case Closed  
Status Date: 01/05/2021  
Case Worker: BG  
RB Case Number: Not reported  
Local Agency: SAN MATEO COUNTY LOP  
File Location: All Files are on GeoTracker or in the Local Agency Database  
Local Case Number: 010049  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel, Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T10000010332  
Contact Type: Local Agency Caseworker  
Contact Name: BRIAN GWINN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 Alameda de las Pulgas, Suite 100  
City: SAN MATEO  
Email: bgwinn@smcgov.org  
Phone Number: 6502724590

**LUST:**  
Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 11/08/2017  
Action: Meeting - #20171108

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 10/01/2018  
Action: Staff Letter - #20181001

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 01/09/2019  
Action: Staff Letter - #20190109

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 07/09/2018  
Action: Email Correspondence - #20180709

Global Id: T10000010332

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALTRANS MONTARA (Continued)**

**S120761116**

Action Type: ENFORCEMENT  
Date: 01/05/2021  
Action: Closure/No Further Action Letter - #20210105

Global Id: T10000010332  
Action Type: Other  
Date: 12/15/2016  
Action: Leak Reported

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 11/08/2017  
Action: Staff Letter - #20171108

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 12/16/2016  
Action: Other Report - #20161216

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 07/06/2020  
Action: Email Correspondence - #20200706

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 10/29/2019  
Action: Email Correspondence - #20191029

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 07/18/2019  
Action: Email Correspondence - #20190718

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 09/07/2018  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 12/31/2018  
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 01/15/2018  
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000010332  
Action Type: REMEDIATION  
Date: 11/14/2016  
Action: Excavation

Global Id: T10000010332  
Action Type: REMEDIATION  
Date: 12/10/2019

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALTRANS MONTARA (Continued)**

**S120761116**

Action: Excavation

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 04/18/2017  
Action: Staff Letter - #20170418

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 10/01/2020  
Action: Notification - Preclosure - #20201001

Global Id: T10000010332  
Action Type: Other  
Date: 11/14/2016  
Action: Leak Stopped

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 04/24/2017  
Action: Notice of Responsibility - #20170424

Global Id: T10000010332  
Action Type: ENFORCEMENT  
Date: 04/24/2018  
Action: Staff Letter - #20180424

Global Id: T10000010332  
Action Type: Other  
Date: 02/29/2016  
Action: Leak Discovery

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 12/01/2020  
Action: Fact Sheets - Public Participation

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 10/31/2019  
Action: Remedial Progress Report

Global Id: T10000010332  
Action Type: RESPONSE  
Date: 05/18/2017  
Action: Verbal Communication

LUST:

Global Id: T10000010332  
Status: Open - Case Begin Date  
Status Date: 02/29/2016

Global Id: T10000010332  
Status: Open - Site Assessment  
Status Date: 04/18/2017

Global Id: T10000010332

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALTRANS MONTARA (Continued)**

**S120761116**

Status: Open - Eligible for Closure  
Status Date: 07/06/2020

Global Id: T10000010332  
Status: Completed - Case Closed  
Status Date: 01/05/2021

**CORTESE:**

Name: CALTRANS MONTARA  
Address: ADJ 8450 CABRILLO HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T10000010332  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**CERS:**

Name: CALTRANS MONTARA  
Address: ADJ 8450 CABRILLO HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Site ID: 421401  
CERS ID: T10000010332  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: BRIAN GWINN - SAN MATEO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: SAN MATEO  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 6502724590,



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**072**      **NEIGHBORHOOD GAS MART**  
**North**    **8445 CABRILLO HWY**  
**1/4-1/2**    **MONTARA, CA 94307**  
**0.387 mi.**  
**2041 ft.**    **Site 2 of 2 in cluster O**

**LUST**    **S104735787**  
**HWTS**    **N/A**

**Relative:**  
**Higher**

**Actual:**  
**99 ft.**

LUST REG 2:  
 Region: 2  
 Facility Id: Not reported  
 Facility Status: Preliminary site assessment underway  
 Case Number: 010036  
 How Discovered: OM  
 Leak Cause: Unknown  
 Leak Source: Unknown  
 Date Leak Confirmed: Not reported  
 Oversight Program: LUST  
 Prelim. Site Assessment Wokplan Submitted: Not reported  
 Preliminary Site Assessment Began: 1/1/1965  
 Pollution Characterization Began: Not reported  
 Pollution Remediation Plan Submitted: Not reported  
 Date Remediation Action Underway: Not reported  
 Date Post Remedial Action Monitoring Began: Not reported

**HWTS:**

Name: NEIGHBORHOOD GAS MART  
 Address: 8445 CABRILLO HWY  
 Address 2: Not reported  
 City,State,Zip: MONTARA, CA 94307  
 EPA ID: CAL000418133  
 Inactive Date: 06/30/2017  
 Create Date: 06/14/2016  
 Last Act Date: Not reported  
 Mailing Name: Not reported  
 Mailing Address: 8445 CABRILLO HWY  
 Mailing Address 2: Not reported  
 Mailing City,State,Zip: MONTARA, CA 94307  
 Owner Name: GURPREET SINGH  
 Owner Address: 24020 MAGNOLIA CT  
 Owner Address 2: Not reported  
 Owner City,State,Zip: MORGAN HILL, CA 950377910  
 Contact Name: GURPREET SINGH  
 Contact Address: 24020 MAGNOLIA CT  
 Contact Address 2: Not reported  
 City,State,Zip: MORGAN HILL, CA 950377910  
 Facility Status: Inactive  
 Facility Type: PERMANENT  
 Category: STATE  
 Latitude: -90  
 Longitude: 180

**NAICS:**

EPA ID: CAL000418133  
 Create Date: 2016-06-14 15:30:19.293  
 NAICS Code: 44719  
 NAICS Description: Other Gasoline Stations  
 Issued EPA ID Date: 2016-06-14 15:30:19.18300  
 Inactive Date: 2017-06-30 00:00:00  
 Facility Name: NEIGHBORHOOD GAS MART  
 Facility Address: 8445 CABRILLO HWY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S104735787**

Facility Address 2: Not reported  
Facility City: MONTARA  
Facility County: Not reported  
Facility State: CA  
Facility Zip: 94307

**73**  
**North**  
**1/4-1/2**  
**0.399 mi.**  
**2107 ft.**

**NEIGHBORHOOD GAS MART**  
**8445 HIGHWAY 1**  
**MONTARA, CA 94037**

**LUST** **S109285844**  
**Cortese** **N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**97 ft.**

SAN MATEO CO. LUST:  
Name: NEIGHBORHOOD GAS MART  
Address: 8445 HWY 1  
City,State,Zip: MONTARA, CA  
Region: SAN MATEO  
Facility ID: 010036  
Facility Status: 3B- Preliminary Assessment Underway  
Global ID: T0608192710  
APN Number: 036054080  
Case Type: MONTARA, CA  
EDR Link ID: MONTARA, CA

LUST:  
Name: NEIGHBORHOOD GAS MART  
Address: 8445 HIGHWAY 1  
City,State,Zip: MONTARA, CA 94037  
Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608192710](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608192710)  
Global Id: T0608192710  
Latitude: 37.5416679816289  
Longitude: -122.516065835953  
Status: Completed - Case Closed  
Status Date: 11/08/2022  
Case Worker: BG  
RB Case Number: 41-1260  
Local Agency: SAN MATEO COUNTY LOP  
File Location: Local Agency  
Local Case Number: 010036  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

LUST:  
Global Id: T0608192710  
Contact Type: Local Agency Caseworker  
Contact Name: BRIAN GWINN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 Alameda de las Pulgas, Suite 100  
City: SAN MATEO  
Email: bgwinn@smcgov.org  
Phone Number: 6502724590

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

LUST:

Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	01/05/2009
Action:	Staff Letter - #20090105
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	04/19/2013
Action:	Staff Letter - #20130419
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	09/13/2017
Action:	Staff Letter - #20170913
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	03/27/2018
Action:	Staff Letter - #20180327
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	08/19/2019
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Other Workplan
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	08/11/2003
Action:	Preliminary Site Assessment Report
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	01/19/2004
Action:	Preliminary Site Assessment Workplan
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	08/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	05/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608192710

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 08/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 08/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 01/26/2005  
Action: Preliminary Site Assessment Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/02/2005  
Action: Soil and Water Investigation Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 05/25/2006  
Action: Soil and Water Investigation Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 01/15/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 03/28/2011  
Action: Other Workplan

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 09/30/2009  
Action: Staff Letter - #20090930

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 06/15/2011  
Action: Staff Letter - #20110615

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 08/29/2012  
Action: Staff Letter - #20120829

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 03/17/2015  
Action: Staff Letter - #20150317

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 03/23/2016  
Action: Staff Letter - #20160323

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 11/01/2017  
Action: Email Correspondence - #20171101

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 02/06/2018  
Action: Staff Letter - #20180206

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 09/09/2016  
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0608192710  
Action Type: Other  
Date: 09/12/2000  
Action: Leak Reported

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 09/27/2007  
Action: Staff Letter - #20070927

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	04/24/2007
Action:	Staff Letter - #20070424
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	11/17/2010
Action:	Staff Letter - #20101117
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	01/11/2013
Action:	Staff Letter - #20130111
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	07/02/2014
Action:	Staff Letter - #20140702
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	01/03/2019
Action:	Staff Letter - #20190103
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	07/13/2020
Action:	Staff Letter - #20200713
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	05/03/2022
Action:	Staff Letter - #20220505
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	11/08/2022
Action:	Closure/No Further Action Letter - #20221108
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	04/04/2016
Action:	Pilot Study / Treatability Workplan - Regulator Responded
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	06/01/2016
Action:	Pilot Study/ Treatability Report - Regulator Responded
Global Id:	T0608192710
Action Type:	RESPONSE
Date:	03/30/2019
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0608192710
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Date: 05/04/2020  
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 04/01/2021  
Action: Monitoring Report - Other - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 03/30/2018  
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 08/15/2021  
Action: Monitoring Report - Other - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 04/15/2022  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0608192710  
Action Type: REMEDIATION  
Date: 11/01/2007  
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

Global Id: T0608192710  
Action Type: REMEDIATION  
Date: 08/06/2018  
Action: Dual Phase Extraction

Global Id: T0608192710  
Action Type: REMEDIATION  
Date: 09/28/2020  
Action: Dual Phase Extraction

Global Id: T0608192710  
Action Type: REMEDIATION  
Date: 10/03/2017  
Action: Dual Phase Extraction

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 09/07/2005  
Action: Staff Letter - #20050907

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 02/02/2006  
Action: Staff Letter - #20060202

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 09/22/2000  
Action: Notice of Responsibility - #1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	01/28/2004
Action:	Staff Letter - #20040128
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	06/04/2003
Action:	Staff Letter - #20030604
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	11/19/2003
Action:	Staff Letter - #20031119B
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	08/09/2006
Action:	Staff Letter - #20060809
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	11/19/2003
Action:	Staff Letter - #20031119
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	07/07/2009
Action:	Staff Letter - #20090707
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	07/30/2009
Action:	Staff Letter - #20090730
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	10/01/2019
Action:	Staff Letter - #20191001
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	06/17/2021
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	09/01/2021
Action:	Email Correspondence - #20210901
Global Id:	T0608192710
Action Type:	ENFORCEMENT
Date:	10/27/2021
Action:	Notification - Preclosure - #20211027
Global Id:	T0608192710
Action Type:	RESPONSE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Date: 03/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 03/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 12/27/2021  
Action: Fact Sheets - Public Participation

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/15/2022  
Action: Well Destruction Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/26/2013  
Action: Other Workplan - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 06/21/2013  
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 06/01/2015  
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 05/12/2014  
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 10/10/2014  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 02/11/2014  
Action: Staff Letter - #20140214

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 03/03/2020  
Action: Email Correspondence - #20200303

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 04/20/2021  
Action: Staff Letter - #20210420

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 11/06/2020  
Action: Email Correspondence - #20201106

Global Id: T0608192710  
Action Type: ENFORCEMENT  
Date: 01/13/2022  
Action: Staff Letter - #20220113

Global Id: T0608192710  
Action Type: Other  
Date: 09/12/2000  
Action: Leak Discovery

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 04/30/2009  
Action: Pilot Study/ Treatability Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 05/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 08/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Date: 08/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 03/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 05/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 12/14/2009  
Action: Site Assessment Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/15/2010  
Action: Soil and Water Investigation Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/27/2006  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 06/25/2007  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/25/2008  
Action: CAP/RAP - Other Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 09/26/2011  
Action: Soil and Water Investigation Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2020  
Action: Monitoring Report - Annually

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 11/15/2018  
Action: Monitoring Report - Semi-Annually

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 02/15/2021  
Action: Remedial Progress Report

Global Id: T0608192710  
Action Type: RESPONSE  
Date: 10/15/2018  
Action: Pilot Study/ Treatability Report

**LUST:**

Global Id: T0608192710  
Status: Open - Case Begin Date  
Status Date: 09/12/2000

Global Id: T0608192710  
Status: Open - Site Assessment  
Status Date: 09/12/2000

Global Id: T0608192710  
Status: Open - Remediation  
Status Date: 11/27/2007

Global Id: T0608192710  
Status: Open - Site Assessment  
Status Date: 09/04/2008

Global Id: T0608192710  
Status: Open - Remediation  
Status Date: 01/31/2018

Global Id: T0608192710  
Status: Open - Verification Monitoring  
Status Date: 04/15/2021

Global Id: T0608192710  
Status: Open - Eligible for Closure  
Status Date: 09/01/2021

Global Id: T0608192710  
Status: Completed - Case Closed  
Status Date: 11/08/2022

**CORTESE:**

Name: NEIGHBORHOOD GAS MART  
Address: 8445 HIGHWAY 1  
City,State,Zip: MONTARA, CA 94037  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608192710  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEIGHBORHOOD GAS MART (Continued)**

**S109285844**

Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**CERS:**

Name: NEIGHBORHOOD GAS MART  
Address: 8445 HIGHWAY 1  
City,State,Zip: MONTARA, CA 94037  
Site ID: 249090  
CERS ID: T0608192710  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: BRIAN GWINN - SAN MATEO COUNTY LOP  
Entity Title: Not reported  
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100  
Affiliation City: SAN MATEO  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 6502724590,

**74**  
**North**  
**1/4-1/2**  
**0.461 mi.**  
**2435 ft.**

**USCG (MONTARA LIGHTHOUSE)**  
**0 COAST HIGHWAY**  
**MONTARA, CA 94037**

**LUST** **S109285606**  
**Cortese** **N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**158 ft.**

**LUST:**

Name: USCG (MONTARA LIGHTHOUSE)  
Address: 0 COAST HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Lead Agency: SAN MATEO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0608100670](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100670)  
Global Id: T0608100670  
Latitude: 37.542068  
Longitude: -122.513626  
Status: Completed - Case Closed  
Status Date: 02/26/1996  
Case Worker: Not reported  
RB Case Number: 41-0704  
Local Agency: Not reported  
File Location: Local Agency  
Local Case Number: 010006  
Potential Media Affect: Soil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USCG (MONTARA LIGHTHOUSE) (Continued)**

**S109285606**

Potential Contaminants of Concern: Diesel  
Site History: Not reported

LUST:

Global Id: T0608100670  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

LUST:

Global Id: T0608100670  
Action Type: Other  
Date: 04/01/1992  
Action: Leak Discovery

Global Id: T0608100670  
Action Type: Other  
Date: 04/01/1992  
Action: Leak Reported

Global Id: T0608100670  
Action Type: ENFORCEMENT  
Date: 04/01/1992  
Action: Notice of Responsibility - #1

LUST:

Global Id: T0608100670  
Status: Open - Case Begin Date  
Status Date: 04/01/1992

Global Id: T0608100670  
Status: Completed - Case Closed  
Status Date: 02/26/1996

CORTESE:

Name: USCG (MONTARA LIGHTHOUSE)  
Address: 0 COAST HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0608100670  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USCG (MONTARA LIGHTHOUSE) (Continued)**

**S109285606**

Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Unit Name: Not reported  
File Name: Active Open

**CERS:**

Name: USCG (MONTARA LIGHTHOUSE)  
Address: 0 COAST HIGHWAY  
City,State,Zip: MONTARA, CA 94037  
Site ID: 223023  
CERS ID: T0608100670  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)  
Entity Title: Not reported  
Affiliation Address: 1515 CLAY ST SUITE 1400  
Affiliation City: OAKLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: UUU - SAN FRANCISCO BAY RWQCB (REGION 2)  
Entity Title: Not reported  
Affiliation Address: 1515 CLAY ST SUITE 1400  
Affiliation City: OAKLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: ,

75  
SE  
1/2-1  
0.753 mi.  
3974 ft.

**HALF MOON BAY FLIGHT STRIP**  
**MOSS BEACH, CA**

**FUDS 1009484686**  
**N/A**

**Relative:**  
**Lower**

**FUDS:**  
EPA Region: 09  
Installation ID: CA99799F575600  
Congressional District Number: 14  
Name: HALF MOON BAY FLIGHT STRIP  
FUDS Number: J09CA0820  
City: MOSS BEACH  
State: CA  
County: SAN MATEO  
Object ID: 6648  
USACE Division: SPD  
USACE District: Sacramento District (SPK)  
Status: Properties with all projects at site closeout

**Actual:**  
**40 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HALF MOON BAY FLIGHT STRIP (Continued)**

**1009484686**

Current Owner: LOCAL: COUNTY San Mateo County is current owner and operator.  
 EMS Map Link: <https://fudsportal.usace.army.mil/ems/inventory/map?id=58091>  
 Eligibility: Eligible  
 Has Projects: Yes  
 NPL Status: Not reported  
 Project Required: Yes  
 Feature Description: By authorization dated 15 October 1942, the War Department acquired 217.68 acres by fee, 11.78 by lease, and 110.76 by transfer. The total number of acres was 340.22. In addition, 47 "no area" glide angle permits were obtained under license agreement. The leased acres were terminated from 27 June to 13 July 1944, 110.76 acres were retransferred to Federal Works Agency on 12 April 1946, and 217.68 acres were excedded to the War Assets Administration on 4 February 1947. The Site is currently owned by the County of San Mateo and consists of the Half Moon Bay Airport and vacant land.

Latitude: 37.51444444  
 Longitude: -122.5

FUDS Detail as of Jan 2015:  
 Fiscal Year: 2013  
 Federal Facility ID: CA9799F5756  
 RAB: Not reported  
 NPL Status: Not Listed  
 Description: Improvements left included 2 USTs, 7 concrete undergrnd fuel pump pits, 2 exposed conc sumps, conc support for aboveground tank with assoc piping, and several buildings foundations. Improvements i nstalled since DOD use or left by DOD include several hangars. an admin bldg, 2 underground jet fuel tanks and the airstrip.

History: By authoriz dated 15 Oct 1942, the War Dept acquired 217.68 acres by fee, 11.78 by lease, & 110.76 by transfer. Total acres 340.22. In addition, 47 "no area" glide permits were obtained under licen se agreement. The leased acres were termin from 27 Jun to 13 Jul 1944, 110.76 acres were retransferred to Fed Works Agency on 12 Apr 1946, & 217.68 acres were excedded to the War Assets Admin on 4 Feb 1947. Improvements include flight strip, 2 USTs, 7 undgrnd fuel pump pits, 2 conc sumps.

CTC: 282.60000000000002  
 Current Program: Not reported  
 Future Program: Not reported  
 Institutional ID: 58091

76  
 SSE  
 1/2-1  
 0.923 mi.  
 4874 ft.

**HALF MOON BAY FLIGHT STRIP**  
**5.5 NW OF HALF MOON BAY**  
**HALF MOON BAY, CA 94019**

**ENVIROSTOR S107736407**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**51 ft.**

ENVIROSTOR:  
 Name: HALF MOON BAY FLIGHT STRIP  
 Address: 5.5 NW OF HALF MOON BAY  
 City,State,Zip: HALF MOON BAY, CA 94019  
 Facility ID: 71000039  
 Status: No Further Action  
 Status Date: 01/31/2014  
 Site Code: 201110  
 Site Type: Military Evaluation  
 Site Type Detailed: FUDS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HALF MOON BAY FLIGHT STRIP (Continued)**

**S107736407**

Acres: 340  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Carrie Tatoian-Cain  
Supervisor: Carrie Tatoian-Cain  
Division Branch: Engineering & Special Projects  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 37.51453  
Longitude: -122.5017  
APN: NONE SPECIFIED  
Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/  
REFUELING  
Potential COC: TPH-diesel TPH-gas  
Confirmed COC: 30024-NO 30025-NO  
Potential Description: SOIL  
Alias Name: T0608112572  
Alias Type: GeoTracker Global ID  
Alias Name: 201110  
Alias Type: Project Code (Site Code)  
Alias Name: 71000039  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: No Department of Defense Action Indicated (NDAI)  
Completed Date: 01/31/2014  
Comments: Please note that this determination is based on information in DTSC s and the Water Boards possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue, should additional information concerning the environmental condition of this site become available in the future.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONTARA	S119781848	CALTRANS	8450 CABRILLO HWY	94037	LUST, San Mateo Co. BI, HAZNET, HWTS
MONTARA	S105427676	USCG (MONTARA LIGHTHOUSE)	0 COAST HWY	94037	LUST
MONTARA	S103666566	MITCHELL PROPERTY	605 MAIN	94037	LUST, San Mateo Co. BI, HIST CORTESE

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### *Lists of Federal NPL (Superfund) sites*

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/03/2023	Telephone: N/A
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 03/01/2023
Number of Days to Update: 25	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/02/2023	Telephone: N/A
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 03/01/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Lists of Federal Delisted NPL sites***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2023  
Date Data Arrived at EDR: 02/02/2023  
Date Made Active in Reports: 02/28/2023  
Number of Days to Update: 26

Source: EPA  
Telephone: N/A  
Last EDR Contact: 03/01/2023  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Quarterly

## ***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022  
Date Data Arrived at EDR: 12/21/2022  
Date Made Active in Reports: 03/10/2023  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 12/21/2022  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2023  
Date Data Arrived at EDR: 02/02/2023  
Date Made Active in Reports: 02/28/2023  
Number of Days to Update: 26

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/01/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Quarterly

## ***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/02/2023	Telephone: 800-424-9346
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 03/01/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023	Source: EPA
Date Data Arrived at EDR: 03/09/2023	Telephone: 800-424-9346
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA generators***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022	Source: Department of the Navy
Date Data Arrived at EDR: 11/08/2022	Telephone: 843-820-7326
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 02/03/2023
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 12/14/2022

Telephone: 202-267-2180

Date Made Active in Reports: 12/19/2022

Last EDR Contact: 03/21/2023

Number of Days to Update: 5

Next Scheduled EDR Contact: 07/03/2023

Data Release Frequency: Quarterly

## ***Lists of state- and tribal (Superfund) equivalent sites***

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/24/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 10/24/2022

Telephone: 916-323-3400

Date Made Active in Reports: 01/12/2023

Last EDR Contact: 01/24/2023

Number of Days to Update: 80

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Quarterly

## ***Lists of state- and tribal hazardous waste facilities***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 10/24/2022

Telephone: 916-323-3400

Date Made Active in Reports: 01/12/2023

Last EDR Contact: 01/24/2023

Number of Days to Update: 80

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Quarterly

## ***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 11/03/2022

Telephone: 916-341-6320

Date Made Active in Reports: 01/25/2023

Last EDR Contact: 02/07/2023

Number of Days to Update: 83

Next Scheduled EDR Contact: 05/22/2023

Data Release Frequency: Quarterly

## ***Lists of state and tribal leaking storage tanks***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/22/2023  
Number of Days to Update: 82

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Quarterly

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022  
Date Data Arrived at EDR: 12/06/2022  
Date Made Active in Reports: 03/03/2023  
Number of Days to Update: 87

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022  
Date Data Arrived at EDR: 12/06/2022  
Date Made Active in Reports: 03/03/2023  
Number of Days to Update: 87

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 12/06/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022	Source: EPA Region 8
Date Data Arrived at EDR: 12/06/2022	Telephone: 303-312-6271
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2022	Telephone: 415-972-3372
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022	Source: EPA, Region 5
Date Data Arrived at EDR: 12/06/2022	Telephone: 312-886-7439
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022	Source: EPA Region 6
Date Data Arrived at EDR: 12/06/2022	Telephone: 214-665-6597
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: No Update Planned

## ***Lists of state and tribal registered storage tanks***

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021  
Date Data Arrived at EDR: 11/05/2021  
Date Made Active in Reports: 02/01/2022  
Number of Days to Update: 88

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

### MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-327-7844
Date Made Active in Reports: 02/23/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022	Source: SWRCB
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-341-5851
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Semi-Annually

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/09/2023
Number of Days to Update: 69	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022	Source: EPA Region 6
Date Data Arrived at EDR: 12/06/2022	Telephone: 214-665-7591
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022	Source: EPA Region 5
Date Data Arrived at EDR: 12/06/2022	Telephone: 312-886-6136
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022	Source: EPA Region 4
Date Data Arrived at EDR: 12/06/2022	Telephone: 404-562-9424
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 12/06/2022	Telephone: 617-918-1313
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022	Source: EPA Region 9
Date Data Arrived at EDR: 12/06/2022	Telephone: 415-972-3368
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022	Source: EPA Region 8
Date Data Arrived at EDR: 12/06/2022	Telephone: 303-312-6137
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 12/06/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

### ***Lists of state and tribal voluntary cleanup sites***

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022  
Date Data Arrived at EDR: 10/24/2022  
Date Made Active in Reports: 01/12/2023  
Number of Days to Update: 80

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/24/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Quarterly

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 03/17/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Varies

## ***Lists of state and tribal brownfield sites***

### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022  
Date Data Arrived at EDR: 12/14/2022  
Date Made Active in Reports: 03/07/2023  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 03/21/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022  
Date Data Arrived at EDR: 03/10/2022  
Date Made Active in Reports: 03/10/2022  
Number of Days to Update: 0

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/14/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 01/20/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/22/2023  
Number of Days to Update: 82

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022  
Date Data Arrived at EDR: 11/22/2022  
Date Made Active in Reports: 02/13/2023  
Number of Days to Update: 83

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/15/2023  
Next Scheduled EDR Contact: 05/22/2023  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 01/20/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Local Lists of Hazardous waste / Contaminated Sites

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/02/2023	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 02/02/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: No Update Planned

### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/24/2022	Telephone: 916-323-3400
Date Made Active in Reports: 01/12/2023	Last EDR Contact: 01/24/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Quarterly

### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/30/2022	Telephone: 916-255-6504
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 03/22/2023
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

### TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/2023  
Date Data Arrived at EDR: 01/06/2023  
Date Made Active in Reports: 01/11/2023  
Number of Days to Update: 5

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 01/06/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Quarterly

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023  
Date Data Arrived at EDR: 02/02/2023  
Date Made Active in Reports: 02/10/2023  
Number of Days to Update: 8

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/02/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Quarterly

## Local Lists of Registered Storage Tanks

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022  
Date Data Arrived at EDR: 11/07/2022  
Date Made Active in Reports: 01/24/2023  
Number of Days to Update: 78

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2023	Telephone: 916-323-2514
Date Made Active in Reports: 01/11/2023	Last EDR Contact: 10/17/2022
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Quarterly

## Local Land Records

### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/24/2022	Telephone: 916-323-3400
Date Made Active in Reports: 11/14/2022	Last EDR Contact: 02/23/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/02/2023	Telephone: 202-564-6023
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 03/01/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022	Source: DTSC and SWRCB
Date Data Arrived at EDR: 11/29/2022	Telephone: 916-323-3400
Date Made Active in Reports: 02/13/2023	Last EDR Contact: 02/28/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/14/2022	Telephone: 202-366-4555
Date Made Active in Reports: 03/10/2023	Last EDR Contact: 03/21/2023
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/17/2022	Telephone: 916-845-8400
Date Made Active in Reports: 01/04/2023	Last EDR Contact: 01/20/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Semi-Annually

## LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/21/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

## MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/21/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/01/2022  
Date Data Arrived at EDR: 11/10/2022  
Date Made Active in Reports: 02/09/2023  
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 02/14/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021  
Date Data Arrived at EDR: 07/13/2021  
Date Made Active in Reports: 03/09/2022  
Number of Days to Update: 239

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/11/2018  
Date Made Active in Reports: 11/06/2019  
Number of Days to Update: 574

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 01/03/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: N/A

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021  
Date Data Arrived at EDR: 02/03/2023  
Date Made Active in Reports: 02/10/2023  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 02/02/2023  
Next Scheduled EDR Contact: 05/22/2023  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022  
Date Data Arrived at EDR: 12/14/2022  
Date Made Active in Reports: 03/10/2023  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/21/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 01/30/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/03/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/13/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 02/09/2023  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/16/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022  
Date Data Arrived at EDR: 10/18/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 84

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/18/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2023  
Date Data Arrived at EDR: 02/02/2023  
Date Made Active in Reports: 02/28/2023  
Number of Days to Update: 26

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/01/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 202-564-6023
Date Made Active in Reports: 11/15/2022	Last EDR Contact: 03/01/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 01/04/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022  
Date Data Arrived at EDR: 11/22/2022  
Date Made Active in Reports: 12/05/2022  
Number of Days to Update: 13

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Quarterly

### COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020  
Date Data Arrived at EDR: 11/30/2021  
Date Made Active in Reports: 02/22/2022  
Number of Days to Update: 84

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 03/03/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Varies

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 251

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 02/27/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019  
Date Data Arrived at EDR: 11/06/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 96

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 02/03/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 07/01/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 84

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 12/20/2022  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 01/24/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022  
Date Data Arrived at EDR: 10/21/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/03/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 03/09/2023  
Date Made Active in Reports: 03/20/2023  
Number of Days to Update: 11

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/09/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/06/2023
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021	Source: Department of Energy
Date Data Arrived at EDR: 07/27/2021	Telephone: 202-586-3559
Date Made Active in Reports: 10/22/2021	Last EDR Contact: 01/30/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/13/2023
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/02/2023	Telephone: 703-603-8787
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 03/01/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/10/2023
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022  
Date Data Arrived at EDR: 11/17/2022  
Date Made Active in Reports: 02/10/2023  
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 02/22/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Semi-Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022  
Date Data Arrived at EDR: 11/30/2022  
Date Made Active in Reports: 12/22/2022  
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi  
Telephone: 202-693-9424  
Last EDR Contact: 02/23/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Quarterly

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 02/24/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 02/24/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/20/2022  
Date Data Arrived at EDR: 12/20/2022  
Date Made Active in Reports: 03/10/2023  
Number of Days to Update: 80

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 03/16/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022  
Date Data Arrived at EDR: 08/25/2022  
Date Made Active in Reports: 10/24/2022  
Number of Days to Update: 60

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 02/28/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021  
Date Data Arrived at EDR: 10/20/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 82

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 01/09/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021  
Date Data Arrived at EDR: 05/21/2021  
Date Made Active in Reports: 08/11/2021  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 02/24/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022  
Date Data Arrived at EDR: 09/30/2022  
Date Made Active in Reports: 12/22/2022  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 01/04/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022  
Date Data Arrived at EDR: 11/10/2022  
Date Made Active in Reports: 02/09/2023  
Number of Days to Update: 91

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 02/14/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Quarterly

## PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2022  
Date Data Arrived at EDR: 07/08/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 123

Source: Environmental Protection Agency  
Telephone: 703-603-8895  
Last EDR Contact: 01/10/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST\_HANDLING\_INSTR), Non-hazardous waste description (NON\_HAZ\_WASTE\_DESCRIPTION), DOT printed information (DOT\_PRINTED\_INFORMATION), Waste line handling instructions (WASTE\_LINE\_HANDLING\_INSTR), Waste residue comments (WASTE\_RESIDUE\_COMMENTS).

Date of Government Version: 01/03/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020  
Date Data Arrived at EDR: 03/17/2021  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 601

Source: Department of Health & Human Services  
Telephone: 202-741-5770  
Last EDR Contact: 01/23/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies

## PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/03/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilities name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018  
Date Data Arrived at EDR: 03/31/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 222

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018  
Date Data Arrived at EDR: 10/26/2022  
Date Made Active in Reports: 11/08/2022  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 202-272-0167  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

## PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/02/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

## AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/06/2022	Telephone: 916-341-5455
Date Made Active in Reports: 10/26/2022	Last EDR Contact: 03/07/2023
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/14/2022	Telephone: 916-323-3400
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 03/21/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 02/10/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing**  
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR: 11/14/2022	Telephone: 661-723-8070
Date Made Active in Reports: 02/01/2023	Last EDR Contact: 02/23/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

**DRYCLEANERS: Cleaner Facilities**

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/01/2021	Telephone: 916-327-4498
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 01/24/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Annually

**DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing**  
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2022	Source: South Coast Air Quality Management District
Date Data Arrived at EDR: 11/30/2022	Telephone: 909-396-3211
Date Made Active in Reports: 02/14/2023	Last EDR Contact: 02/15/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

**EMI: Emissions Inventory Data**

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020	Source: California Air Resources Board
Date Data Arrived at EDR: 06/13/2022	Telephone: 916-322-2990
Date Made Active in Reports: 08/30/2022	Last EDR Contact: 03/16/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Varies

**ENF: Enforcement Action Listing**

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/17/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/19/2022	Telephone: 916-445-9379
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/18/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

**Financial Assurance 1: Financial Assurance Information Listing**  
Financial Assurance information

Date of Government Version: 10/12/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/12/2022	Telephone: 916-255-3628
Date Made Active in Reports: 12/29/2022	Last EDR Contact: 01/13/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

**Financial Assurance 2: Financial Assurance Information Listing**

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/08/2022  
Date Data Arrived at EDR: 11/23/2022  
Date Made Active in Reports: 02/13/2023  
Number of Days to Update: 82

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 02/03/2023  
Next Scheduled EDR Contact: 05/22/2023  
Data Release Frequency: Varies

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022  
Date Data Arrived at EDR: 11/10/2022  
Date Made Active in Reports: 02/01/2023  
Number of Days to Update: 83

Source: Department of Toxic Substances Control  
Telephone: 877-786-9427  
Last EDR Contact: 02/14/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001  
Date Data Arrived at EDR: 01/22/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 76

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/22/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022  
Date Data Arrived at EDR: 11/10/2022  
Date Made Active in Reports: 02/01/2023  
Number of Days to Update: 83

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/14/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2023  
Date Data Arrived at EDR: 01/04/2023  
Date Made Active in Reports: 03/21/2023  
Number of Days to Update: 76

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 01/04/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Quarterly

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 07/05/2022  
Date Made Active in Reports: 09/19/2022  
Number of Days to Update: 76

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 01/06/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022	Source: Department of Conservation
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-322-1080
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022	Source: Department of Public Health
Date Data Arrived at EDR: 11/29/2022	Telephone: 916-558-1784
Date Made Active in Reports: 02/14/2023	Last EDR Contact: 02/28/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/03/2022	Telephone: 916-445-9379
Date Made Active in Reports: 01/25/2023	Last EDR Contact: 02/07/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/28/2022	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 11/29/2022	Telephone: 916-445-4038
Date Made Active in Reports: 02/14/2023	Last EDR Contact: 02/28/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/02/2022	Source: Department of Conservation
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-323-3836
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/07/2022	Telephone: 916-445-3846
Date Made Active in Reports: 03/01/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 11/05/2020	Telephone: 408-535-7694
Date Made Active in Reports: 01/26/2021	Last EDR Contact: 01/27/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Annually

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/02/2022	Source: Department of Conservation
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-445-2408
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/02/2022	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/21/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/01/2021	Telephone: 559-445-5577
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 01/06/2023
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/13/2023
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: No Update Planned

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/16/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER) Projects sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/23/2023  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022  
Date Data Arrived at EDR: 11/29/2022  
Date Made Active in Reports: 02/13/2023  
Number of Days to Update: 76

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 02/28/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023  
Date Data Arrived at EDR: 01/06/2023  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 4

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 01/06/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/02/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/21/2023  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022  
Date Data Arrived at EDR: 11/22/2022  
Date Made Active in Reports: 02/28/2023  
Number of Days to Update: 98

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 02/24/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022  
Date Data Arrived at EDR: 04/05/2022  
Date Made Active in Reports: 04/26/2022  
Number of Days to Update: 21

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 01/03/2023  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PCS ENF: Enforcement data

No description is available for this data

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 59

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Semi-Annually

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Semi-Annually

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 12/28/2022
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 12/28/2022	Telephone: 510-567-6700
Date Made Active in Reports: 03/17/2023	Last EDR Contact: 12/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 07/22/2022  
Date Data Arrived at EDR: 07/27/2022  
Date Made Active in Reports: 08/01/2022  
Number of Days to Update: 5

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/13/2022  
Date Data Arrived at EDR: 12/15/2022  
Date Made Active in Reports: 12/21/2022  
Number of Days to Update: 6

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/16/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 78

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022  
Date Data Arrived at EDR: 10/21/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 81

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/20/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 05/04/2022  
Date Data Arrived at EDR: 05/06/2022  
Date Made Active in Reports: 07/28/2022  
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 02/03/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022  
Date Data Arrived at EDR: 08/09/2022  
Date Made Active in Reports: 09/01/2022  
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/20/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021  
Date Data Arrived at EDR: 12/21/2021  
Date Made Active in Reports: 03/03/2022  
Number of Days to Update: 72

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 12/29/2022  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021  
Date Data Arrived at EDR: 08/12/2021  
Date Made Active in Reports: 11/08/2021  
Number of Days to Update: 88

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 10/11/2022  
Date Data Arrived at EDR: 10/12/2022  
Date Made Active in Reports: 12/29/2022  
Number of Days to Update: 78

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 72

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## KERN COUNTY:

### CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022  
Date Data Arrived at EDR: 10/05/2022  
Date Made Active in Reports: 12/16/2022  
Number of Days to Update: 72

Source: Kern County Public Health  
Telephone: 661-321-3000  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022  
Date Data Arrived at EDR: 10/05/2022  
Date Made Active in Reports: 12/16/2022  
Number of Days to Update: 72

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020  
Date Data Arrived at EDR: 01/26/2021  
Date Made Active in Reports: 04/14/2021  
Number of Days to Update: 78

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## LAKE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 11/04/2022  
Date Data Arrived at EDR: 11/07/2022  
Date Made Active in Reports: 01/25/2023  
Number of Days to Update: 79

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 03/10/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

## LASSEN COUNTY:

### CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 80

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: N/A  
Telephone: N/A  
Last EDR Contact: 03/09/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022  
Date Data Arrived at EDR: 10/04/2022  
Date Made Active in Reports: 12/15/2022  
Number of Days to Update: 72

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 12/28/2022  
Next Scheduled EDR Contact: 04/17/2023  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/07/2022  
Date Data Arrived at EDR: 10/07/2022  
Date Made Active in Reports: 12/21/2022  
Number of Days to Update: 75

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/10/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022  
Date Data Arrived at EDR: 01/21/2022  
Date Made Active in Reports: 04/11/2022  
Number of Days to Update: 80

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 01/05/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/16/2023
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Varies

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 01/12/2022	Telephone: 626-458-6973
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 01/05/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 12/14/2022	Telephone: 213-978-3800
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 12/14/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 12/14/2022	Telephone: 213-978-3800
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 12/14/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/03/2023
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021	Source: Community Health Services
Date Data Arrived at EDR: 07/09/2021	Telephone: 323-890-7806
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 01/20/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 01/05/2023
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank  
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 01/20/2023
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/19/2022	Telephone: 310-618-2973
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/13/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 02/09/2023
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 03/22/2023
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database  
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 02/15/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Annually

MERCED COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 02/15/2022  
Date Data Arrived at EDR: 02/17/2022  
Date Made Active in Reports: 05/11/2022  
Number of Days to Update: 83

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 01/31/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021  
Date Data Arrived at EDR: 03/02/2021  
Date Made Active in Reports: 05/19/2021  
Number of Days to Update: 78

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 02/15/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021  
Date Data Arrived at EDR: 10/06/2021  
Date Made Active in Reports: 12/29/2021  
Number of Days to Update: 84

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 03/22/2023  
Next Scheduled EDR Contact: 07/10/2023  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 02/15/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 02/15/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 10/27/2022  
Date Made Active in Reports: 01/18/2023  
Number of Days to Update: 83

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/20/2023  
Next Scheduled EDR Contact: 05/08/2023  
Data Release Frequency: Varies

## ORANGE COUNTY:

IND\_SITE ORANGE: List of Industrial Site Cleanups  
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022  
Date Data Arrived at EDR: 08/09/2022  
Date Made Active in Reports: 10/28/2022  
Number of Days to Update: 80

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 01/31/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022  
Date Data Arrived at EDR: 05/18/2022  
Date Made Active in Reports: 08/03/2022  
Number of Days to Update: 77

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 01/31/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022  
Date Data Arrived at EDR: 08/01/2022  
Date Made Active in Reports: 10/20/2022  
Number of Days to Update: 80

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 01/31/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

## PLACER COUNTY:

MS PLACER: Master List of Facilities  
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022  
Date Data Arrived at EDR: 08/29/2022  
Date Made Active in Reports: 11/15/2022  
Number of Days to Update: 78

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 02/13/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List  
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022  
Date Data Arrived at EDR: 09/26/2022  
Date Made Active in Reports: 12/09/2022  
Number of Days to Update: 74

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/09/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: Quarterly

## UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022  
Date Data Arrived at EDR: 09/26/2022  
Date Made Active in Reports: 12/09/2022  
Number of Days to Update: 74

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/09/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022  
Date Data Arrived at EDR: 12/21/2022  
Date Made Active in Reports: 03/16/2023  
Number of Days to Update: 85

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 12/21/2022  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Quarterly

### ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022  
Date Data Arrived at EDR: 12/09/2022  
Date Made Active in Reports: 03/01/2023  
Number of Days to Update: 82

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 12/09/2022  
Next Scheduled EDR Contact: 04/10/2023  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 10/27/2022  
Date Data Arrived at EDR: 10/28/2022  
Date Made Active in Reports: 01/18/2023  
Number of Days to Update: 82

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/18/2022  
Date Data Arrived at EDR: 11/21/2022  
Date Made Active in Reports: 02/09/2023  
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 01/30/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022  
Date Data Arrived at EDR: 11/29/2022  
Date Made Active in Reports: 02/14/2023  
Number of Days to Update: 77

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 02/28/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Quarterly

### LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021  
Date Data Arrived at EDR: 03/04/2022  
Date Made Active in Reports: 05/31/2022  
Number of Days to Update: 88

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

### SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021  
Date Data Arrived at EDR: 10/19/2021  
Date Made Active in Reports: 01/13/2022  
Number of Days to Update: 86

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

### SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 02/23/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing  
Cupa facilities

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/03/2022  
Date Data Arrived at EDR: 11/07/2022  
Date Made Active in Reports: 01/25/2023  
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: No Update Planned

## UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022  
Date Data Arrived at EDR: 11/07/2022  
Date Made Active in Reports: 01/24/2023  
Number of Days to Update: 78

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Quarterly

## SAN FRANCISCO COUNTY:

### SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022  
Date Data Arrived at EDR: 10/14/2022  
Date Made Active in Reports: 01/04/2023  
Number of Days to Update: 82

Source: San Francisco Planning  
Telephone: 628-652-7483  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 03/09/2023  
Next Scheduled EDR Contact: 06/26/2023  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 11/08/2022  
Date Data Arrived at EDR: 11/09/2022  
Date Made Active in Reports: 02/01/2023  
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/10/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Annually

## LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/02/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 10/28/2022  
Date Data Arrived at EDR: 11/01/2022  
Date Made Active in Reports: 01/20/2023  
Number of Days to Update: 80

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

### LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 02/15/2023  
Next Scheduled EDR Contact: 06/05/2023  
Data Release Frequency: No Update Planned

## SANTA CRUZ COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 02/09/2023  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Varies

## SOLANO COUNTY:

### LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 02/23/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021  
Date Data Arrived at EDR: 09/16/2021  
Date Made Active in Reports: 12/09/2021  
Number of Days to Update: 84

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 02/23/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021  
Date Data Arrived at EDR: 07/06/2021  
Date Made Active in Reports: 07/14/2021  
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/28/2021  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Varies

### LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021  
Date Data Arrived at EDR: 06/30/2021  
Date Made Active in Reports: 09/24/2021  
Number of Days to Update: 86

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/16/2023  
Next Scheduled EDR Contact: 07/03/2023  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2022  
Date Data Arrived at EDR: 02/10/2022  
Date Made Active in Reports: 05/04/2022  
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 01/09/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022  
Date Data Arrived at EDR: 08/25/2022  
Date Made Active in Reports: 11/14/2022  
Number of Days to Update: 81

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 02/23/2023  
Next Scheduled EDR Contact: 06/12/2023  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 11/17/2022  
Date Data Arrived at EDR: 11/21/2022  
Date Made Active in Reports: 02/10/2023  
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 10/11/2022  
Date Data Arrived at EDR: 10/12/2022  
Date Made Active in Reports: 12/29/2022  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022  
Date Data Arrived at EDR: 10/07/2022  
Date Made Active in Reports: 12/21/2022  
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 01/27/2023  
Next Scheduled EDR Contact: 05/15/2023  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018  
Date Data Arrived at EDR: 04/25/2018  
Date Made Active in Reports: 06/25/2018  
Number of Days to Update: 61

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/13/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022  
Date Data Arrived at EDR: 10/19/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 83

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 03/22/2023  
Next Scheduled EDR Contact: 07/10/2023  
Data Release Frequency: No Update Planned

### LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 02/02/2023  
Next Scheduled EDR Contact: 05/22/2023  
Data Release Frequency: No Update Planned

### MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022  
Date Data Arrived at EDR: 10/20/2022  
Date Made Active in Reports: 01/10/2023  
Number of Days to Update: 82

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 01/17/2023  
Next Scheduled EDR Contact: 05/01/2023  
Data Release Frequency: Quarterly

### UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022  
Date Data Arrived at EDR: 12/02/2022  
Date Made Active in Reports: 02/23/2023  
Number of Days to Update: 83

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 03/07/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST YOLO: Underground Storage Tank Comprehensive Facility Report  
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022	Source: Yolo County Department of Health
Date Data Arrived at EDR: 12/27/2022	Telephone: 530-666-8646
Date Made Active in Reports: 03/17/2023	Last EDR Contact: 03/22/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List  
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 10/26/2022	Telephone: 530-749-7523
Date Made Active in Reports: 10/31/2022	Last EDR Contact: 01/20/2023
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/16/2022	Telephone: 860-424-3375
Date Made Active in Reports: 02/06/2023	Last EDR Contact: 02/10/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 12/28/2022
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/17/2023
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 01/27/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018  
Date Data Arrived at EDR: 07/19/2019  
Date Made Active in Reports: 09/10/2019  
Number of Days to Update: 53

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/06/2023  
Next Scheduled EDR Contact: 04/24/2023  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020  
Date Data Arrived at EDR: 11/30/2021  
Date Made Active in Reports: 02/18/2022  
Number of Days to Update: 80

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/13/2022  
Next Scheduled EDR Contact: 05/29/2023  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/06/2023  
Next Scheduled EDR Contact: 06/19/2023  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

## Electric Power Transmission Line Data

Source: Endeavor Business Media

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

MOSS BEACH STATE ROUTE 1 IMPROVEMENTS PROJECT  
CABRILLO HIGHWAY AND CYPRESS AVE  
MOSS BEACH, CA 94038

### TARGET PROPERTY COORDINATES

Latitude (North): 37.529168 - 37° 31' 45.00"  
Longitude (West): 122.515025 - 122° 30' 54.09"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 542851.5  
UTM Y (Meters): 4153483.2  
Elevation: 64 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 12016459 MONTARA MOUNTAIN OE W, CA  
Version Date: 2018

Northeast Map: 12016455 MONTARA MOUNTAIN, CA  
Version Date: 2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

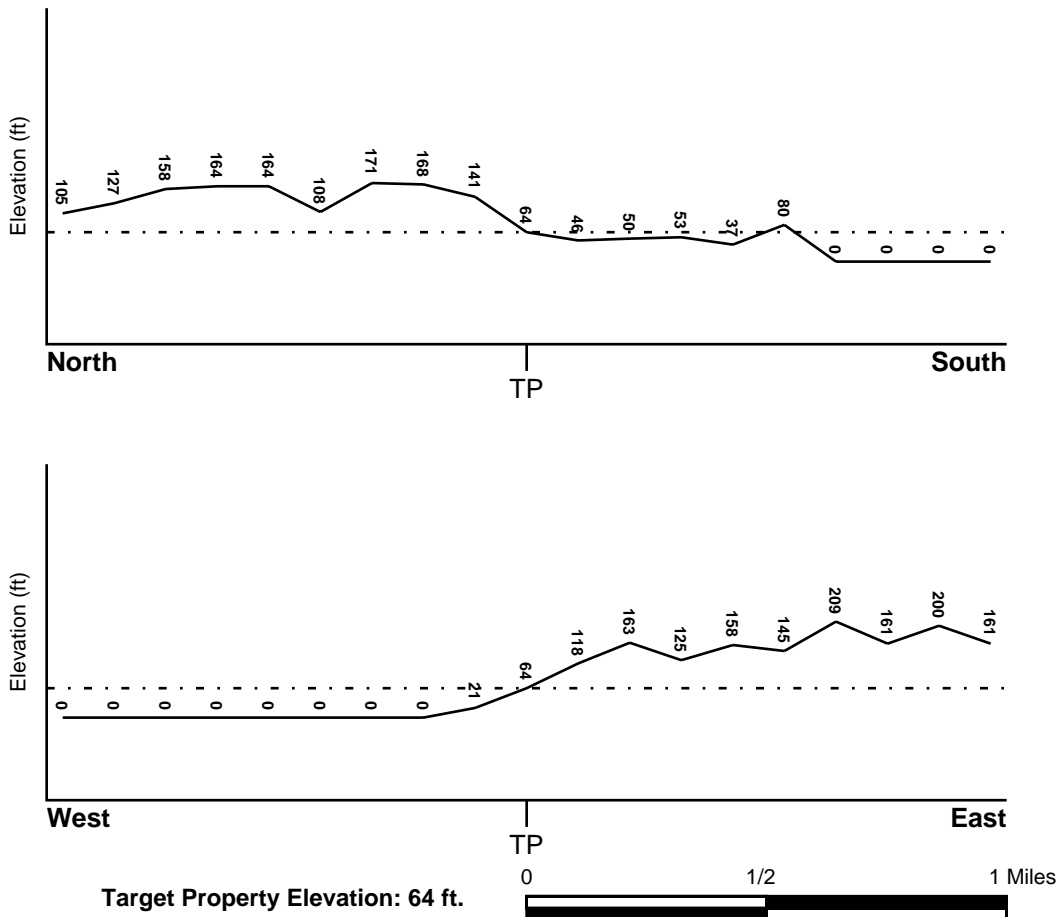
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06081C0119E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06081C0117E	FEMA FIRM Flood data
06081C0136E	FEMA FIRM Flood data
06081C0138E	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
WEST MONTARA MOUNTAIN (OE)	YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
14	1/2 - 1 Mile NNE	Not Reported
1G	1/2 - 1 Mile NNE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

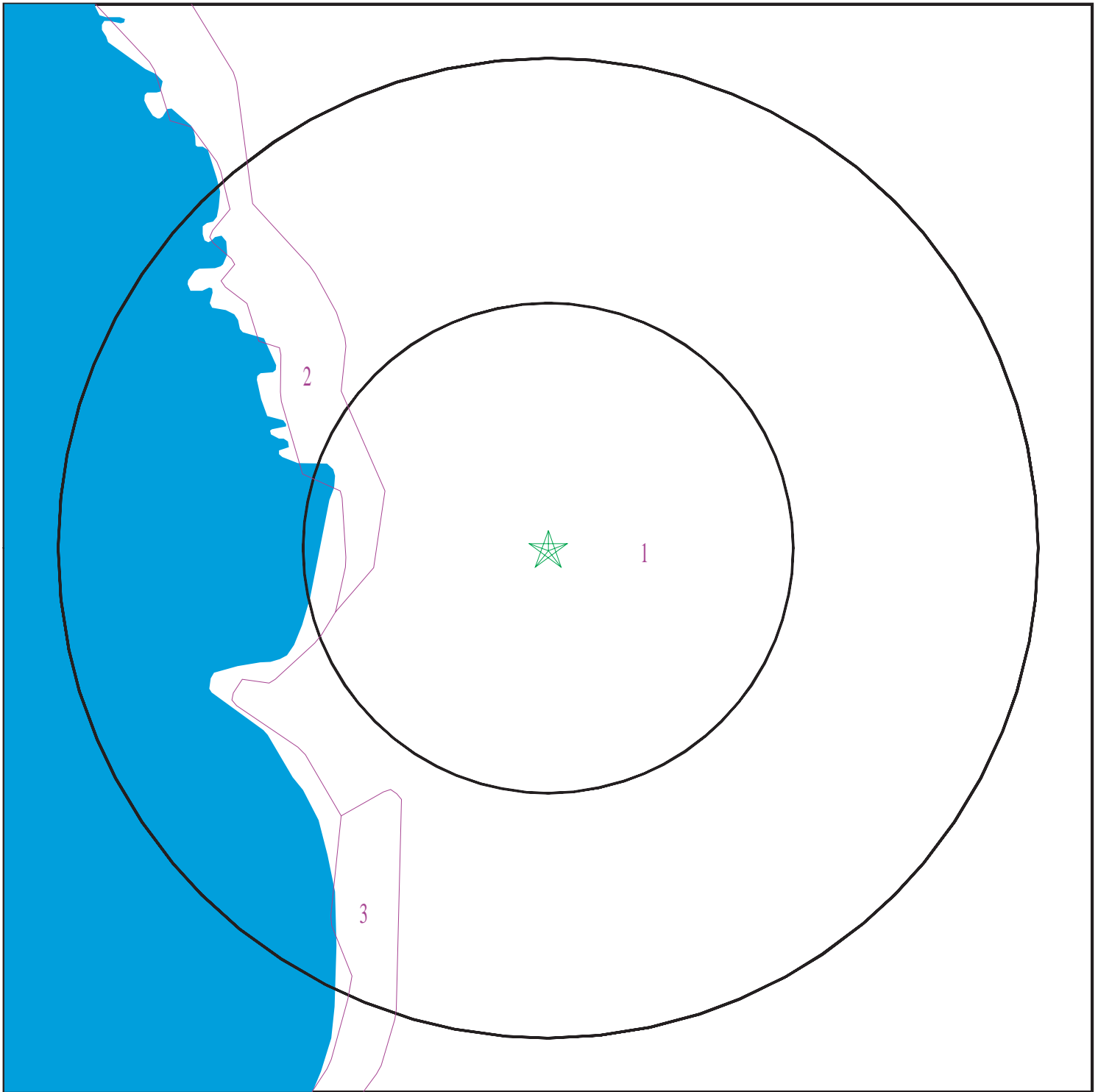
Era: Mesozoic  
System: Cretaceous  
Series: Cretaceous granitic rocks  
Code: Kg *(decoded above as Era, System & Series)*

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 7288317.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water

0 1/16 1/8 1/4 Miles



SITE NAME: Moss Beach State Route 1 Improvements Project  
ADDRESS: Cabrillo Highway and Cypress Ave  
Moss Beach CA 94038  
LAT/LONG: 37.529168 / 122.515025

CLIENT: AECOM  
CONTACT: Wanda Farmer  
INQUIRY #: 7288317.2s  
DATE: March 23, 2023 2:29 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Typic Argiustolls

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1
2	11 inches	37 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1
3	37 inches	59 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1

### Soil Map ID: 2

Soil Component Name: Orthents

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 3**

Soil Component Name: Beaches

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	CA4110028	1/8 - 1/4 Mile SE

Note: PWS System location is not always the same as well location.

## **STATE DATABASE WELL INFORMATION**

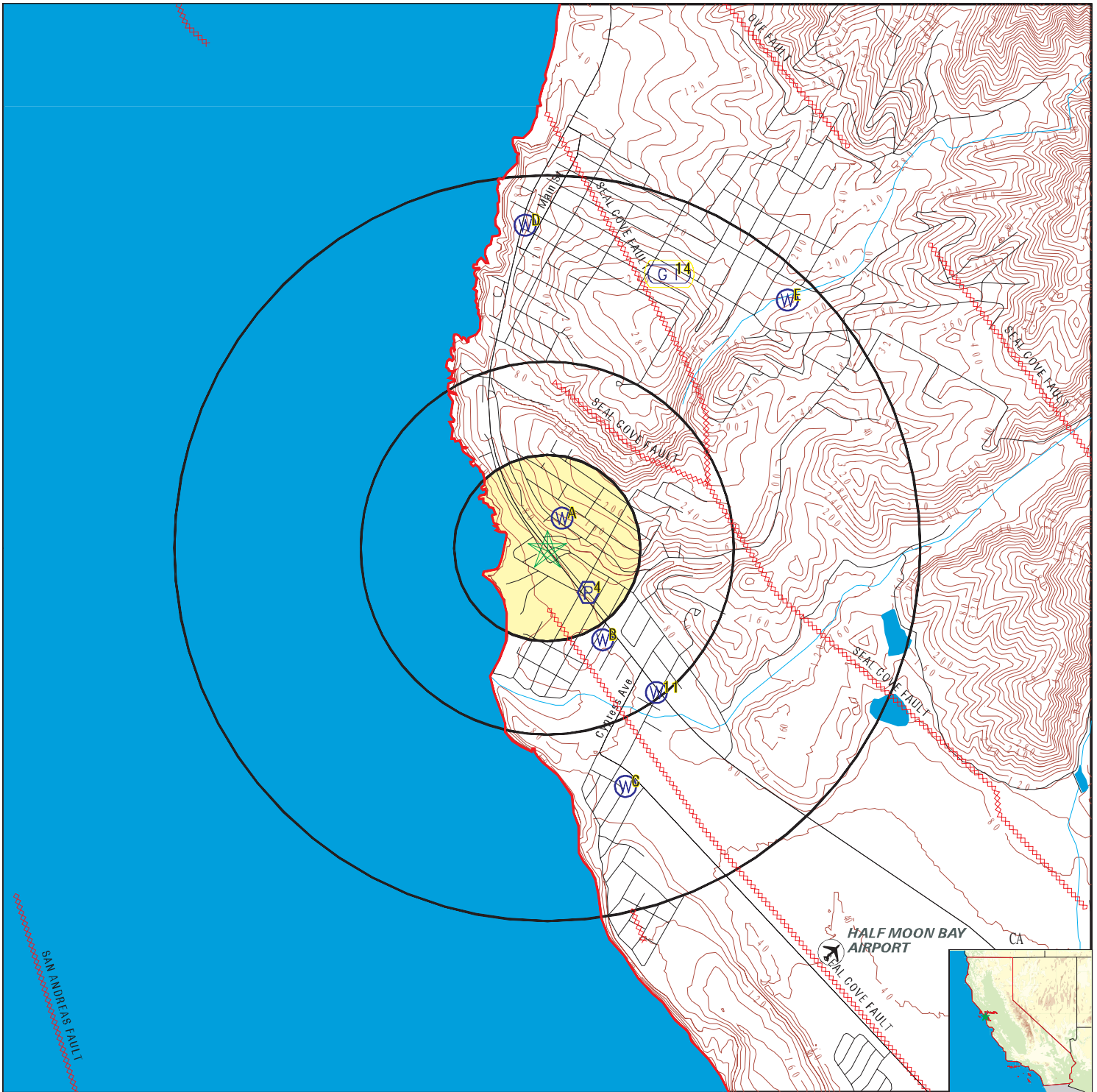
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAEDF0000056104	0 - 1/8 Mile NNE
A2	CAEDF0000007731	0 - 1/8 Mile NNE
A3	CAEDF0000046909	0 - 1/8 Mile NE
B5	CAEDF0000073555	1/4 - 1/2 Mile SSE
B6	CAEDF0000014668	1/4 - 1/2 Mile SE
B7	CAEDF0000112221	1/4 - 1/2 Mile SSE
B8	CAEDF0000092098	1/4 - 1/2 Mile SSE
B9	CAEDF0000050667	1/4 - 1/2 Mile SSE
B10	CAEDF0000061230	1/4 - 1/2 Mile SSE
11	6006	1/4 - 1/2 Mile SE
C12	CAEDF0000012056	1/2 - 1 Mile SSE
C13	CAEDF0000097638	1/2 - 1 Mile SSE
D15	CAEDF0000073497	1/2 - 1 Mile North
D16	CAEDF0000104674	1/2 - 1 Mile North
D17	CAEDF0000002839	1/2 - 1 Mile North
D18	CAEDF0000090165	1/2 - 1 Mile North
D19	CAEDF0000070899	1/2 - 1 Mile North
D20	CAEDF0000003767	1/2 - 1 Mile North
D21	CAEDF0000054811	1/2 - 1 Mile North
D22	CAEDF0000110875	1/2 - 1 Mile North
D23	CAEDF0000091568	1/2 - 1 Mile North
D24	CAEDF0000065275	1/2 - 1 Mile North
D25	CAEDF0000127486	1/2 - 1 Mile North
D26	CAEDF0000040335	1/2 - 1 Mile North
D27	CAEDF0000055018	1/2 - 1 Mile North

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D28	CAEDF0000005632	1/2 - 1 Mile North
D29	CAEDF0000119434	1/2 - 1 Mile North
D30	CAEDF0000061902	1/2 - 1 Mile North
D31	CAEDF0000012044	1/2 - 1 Mile North
D32	CAEDF0000063998	1/2 - 1 Mile North
D33	CAEDF0000106556	1/2 - 1 Mile North
D34	CAEDF0000035270	1/2 - 1 Mile North
E35	4902	1/2 - 1 Mile NE
E36	CADDW0000013311	1/2 - 1 Mile NE

# PHYSICAL SETTING SOURCE MAP - 7288317.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Moss Beach State Route 1 Improvements Project  
 ADDRESS: Cabrillo Highway and Cypress Ave  
 Moss Beach CA 94038  
 LAT/LONG: 37.529168 / 122.515025

CLIENT: AECOM  
 CONTACT: Wanda Farmer  
 INQUIRY #: 7288317.2s  
 DATE: March 23, 2023 2:29 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**NNE**  
**0 - 1/8 Mile**  
**Higher**

**CA WELLS      CAEDF0000056104**

Well ID:	T0608170114-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608170114&amp;assigned_name=MW-4&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608170114&amp;assigned_name=MW-4&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608170114&amp;assigned_name=MW-4">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608170114&amp;assigned_name=MW-4</a>		

**A2**  
**NNE**  
**0 - 1/8 Mile**  
**Higher**

**CA WELLS      CAEDF0000007731**

Well ID:	T0608170114-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608170114&amp;assigned_name=MW-2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608170114&amp;assigned_name=MW-2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608170114&amp;assigned_name=MW-2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608170114&amp;assigned_name=MW-2</a>		

**A3**  
**NE**  
**0 - 1/8 Mile**  
**Higher**

**CA WELLS      CAEDF0000046909**

Well ID:	T10000011376-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000011376&amp;assigned_name=MW-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000011376&amp;assigned_name=MW-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000011376&amp;assigned_name=MW-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000011376&amp;assigned_name=MW-1</a>		

**4**  
**SE**  
**1/8 - 1/4 Mile**  
**Higher**

**FRDS PWS      CA4110028**

Epa region:	09	State:	CA
Pwsid:	CA4110028		
Pwsname:	PILLAR RIDGE MHP (FORMER EL GRANADA MHP)		
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06081
Status:	Active	Retpopsrvd:	1000
Pwssvconn:	227	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	BOWMAN, PAUL	Contactorgname:	BOWMAN, PAUL
Contactphone:	650-728-3389	Contactaddress1:	164 Culebra Lane

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contactaddress2:	Not Reported	Contactcity:	MOSS BEACH
Contactstate:	CA	Contactzip:	94038
Pwsactivitycode:	A		
Pwsid:	CA4110028	Facid:	15
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	aeration, cascade
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	15
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	iron removal	Trtprocess:	aeration, cascade
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	16
Facname:	TREATED WATER (POST FILTRATION)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	iron removal	Trtprocess:	filtration, greensand
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	16
Facname:	TREATED WATER (POST FILTRATION)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	manganese removal	Trtprocess:	filtration, greensand
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	5914
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	iron removal	Trtprocess:	aeration, cascade
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	5914
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	aeration, cascade
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	5926
Facname:	TREATED WATER (POST FILTRATION)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	manganese removal	Trtprocess:	filtration, greensand
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	5926
Facname:	TREATED WATER (POST FILTRATION)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	iron removal	Trtprocess:	filtration, greensand
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	5928
Facname:	HYDRO TANK (BOOSTER PUMP)	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	organics removal
Trtprocess:	aeration, packed tower	Factypecode:	TP
Pwsid:	CA4110028	Facid:	6
Facname:	RAW WATER (PRE-AERATION TOWER)		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	organics removal	Trtprocess:	not reported
Factypecode:	TP		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	CA4110028	Facid:	CA4110028007
Facname:	HYDRO TANK (BOOSTER PUMP)	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	organics removal
Trtprocess:	aeration, packed tower	Factypecode:	TP
Pwsid:	CA4110028	Facid:	CA4110028015
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)	Factype:	A
Facactivitycode:	Treatment_plant	Trtprocess:	aeration, cascade
Trtobjective:	organics removal		
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	CA4110028015
Facname:	MID TREATMENT (POST AERATION/PRE FILTER)	Factype:	A
Facactivitycode:	Treatment_plant	Trtprocess:	aeration, cascade
Trtobjective:	iron removal		
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	CA4110028016
Facname:	TREATED WATER (POST FILTRATION)	Factype:	A
Facactivitycode:	Treatment_plant	Trtprocess:	filtration, greensand
Trtobjective:	iron removal		
Factypecode:	TP		
Pwsid:	CA4110028	Facid:	CA4110028016
Facname:	TREATED WATER (POST FILTRATION)	Factype:	A
Facactivitycode:	Treatment_plant	Trtprocess:	filtration, greensand
Trtobjective:	manganese removal		
Factypecode:	TP		
PWS ID:	CA4110028	PWS name:	EL GRANADA MHP
Address:	Not Reported	Care of:	Not Reported
City:	MOSS BEACH	State:	CA
Zip:	94038	Owner:	EL GRANADA MHP
Source code:	Ground water	Population:	900
PWS ID:	CA4110028	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported		
PWS name:	Pillar Ridge MHP (Former El Granada MHP)		
PWS type code:	C	Retail population served:	1000
Contact:	Lori Carraway		
Contact address:	660 Newport Center Drive - Suite 1020		
Contact address:	Newport Beach	Contact city:	CA
Contact state:	92	Contact zip:	9495155100
Contact telephone:	Not Reported		
County:	SAN MATEO	Source:	Ground water
Treatment Objective:	ORGANICS REMOVAL	Process:	AERATION, SLAT TRAY
Population:	1000		
PWS ID:	CA4110028	Activity status:	Active
Date system activated:	9106	Date system deactivated:	Not Reported
Retail population:	00000900	System name:	EL GRANADA MHP
System address:	Not Reported	System city:	MOSS BEACH
System state:	CA	System zip:	94038
County FIPS:	Not Reported	City served:	WOODCREST & VIC
Population served:	501 - 1,000 Persons	Treatment:	Untreated
Latitude:	373139	Longitude:	1223043

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation id:	95V0001	Orig code:	F
State:	CA	Violation Year:	1993
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	07/01/1993
Cmp edt:	03/01/2000		

Violation ID:	95V0001	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Resolving

PWS name:	Pillar Ridge MHP (Former El Granada MHP)		
Population served:	1000	PWS type code:	C
Violation ID:	95V0001	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Compliance start date:	7/1/1993 0:00:00	Compliance end date:	3/1/2000 0:00:00
Enforcement date:	3/1/2000 0:00:00	Enforcement action:	Fed Compliance Achieved
Violation measurement:	0		

**B5  
SSE  
1/4 - 1/2 Mile  
Lower**

**CA WELLS    CAEDF0000073555**

Well ID:	T0608101043-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-1</a>		

**B6  
SE  
1/4 - 1/2 Mile  
Lower**

**CA WELLS    CAEDF0000014668**

Well ID:	T0608101043-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-4&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-4&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-4">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-4</a>		

**B7  
SSE  
1/4 - 1/2 Mile  
Lower**

**CA WELLS    CAEDF0000112221**

Well ID:	T0608101043-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-7&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-7&amp;store_num=</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: [https://geotracker.waterboards.ca.gov/profile\\_report.asp?cmd=MWEDFResults&global\\_id=T0608101043&assigned\\_name=MW-7](https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608101043&assigned_name=MW-7)

**B8**  
**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS CAEDF0000092098**

Well ID:	T0608101043-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-8&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-8&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-8">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-8</a>		

**B9**  
**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS CAEDF0000050667**

Well ID:	T0608101043-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-6&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-6&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-6">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-6</a>		

**B10**  
**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS CAEDF0000061230**

Well ID:	T0608101043-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-5&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608101043&amp;assigned_name=MW-5&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-5">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608101043&amp;assigned_name=MW-5</a>		

**11**  
**SE**  
**1/4 - 1/2 Mile**  
**Higher**

**CA WELLS 6006**

Seq:	6006	Prim sta c:	05S/06W-34P01 M
Frds no:	4110010006	County:	41
District:	04	User id:	ENG
System no:	4110010	Water type:	G
Source nam:	OAK STREET WELL - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	373125.0	Longitude:	1223031.0
Precision:	3	Status:	IR



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	4110010	System nam:	Citizens Utilities Comp Of Ca
Hqname:	CITIZENS UTILITIES COMP OF CA	Address:	P.O. Box 15468
City:	Sacramento	State:	CA
Zip:	95468	Zip ext:	Not Reported
Pop serv:	4058	Connection:	1623
Area serve:	Montara-Moss Beach		

**C12  
SSE  
1/2 - 1 Mile  
Higher**

**CA WELLS    CAEDF0000012056**

Well ID:	T10000009968-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000009968&amp;assigned_name=MW-2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000009968&amp;assigned_name=MW-2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000009968&amp;assigned_name=MW-2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000009968&amp;assigned_name=MW-2</a>		

**C13  
SSE  
1/2 - 1 Mile  
Higher**

**CA WELLS    CAEDF0000097638**

Well ID:	T10000009968-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000009968&amp;assigned_name=MW-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T10000009968&amp;assigned_name=MW-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000009968&amp;assigned_name=MW-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T10000009968&amp;assigned_name=MW-1</a>		

**14  
NNE  
1/2 - 1 Mile  
Higher**

**AQUIFLOW    67174**

Site ID:	000358
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	7a
Date:	10/16/1989

**D15  
North  
1/2 - 1 Mile  
Higher**

**CA WELLS    CAEDF0000073497**

Well ID:	T0608192710-B6	Well Type:	MONITORING
Source:	EDF	Other Name:	B6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B6&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B6&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B6">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B6</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D16**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000104674**

Well ID:	T0608192710-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-10&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-10&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-10">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-10</a>		

**D17**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000002839**

Well ID:	T0608192710-P-3	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-3&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-3&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-3">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-3</a>		

**D18**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000090165**

Well ID:	T0608192710-B5	Well Type:	MONITORING
Source:	EDF	Other Name:	B5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B5&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B5&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B5">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B5</a>		

**D19**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000070899**

Well ID:	T0608192710-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-5&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-5&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-5">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-5</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D20**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000003767**

Well ID:	T0608192710-P-2	Well Type:	MONITORING
Source:	EDF	Other Name:	P-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-2</a>		

**D21**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000054811**

Well ID:	T0608192710-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-2</a>		

**D22**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000110875**

Well ID:	T0608192710-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-8&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-8&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-8">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-8</a>		

**D23**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000091568**

Well ID:	T0608192710-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-9&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-9&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-9">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-9</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D24**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000065275**

Well ID:	T0608192710-P-4	Well Type:	MONITORING
Source:	EDF	Other Name:	P-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-4&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-4&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-4">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-4</a>		

**D25**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000127486**

Well ID:	T0608192710-B-9	Well Type:	MONITORING
Source:	EDF	Other Name:	B-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-9&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-9&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-9">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-9</a>		

**D26**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000040335**

Well ID:	T0608192710-B-10	Well Type:	MONITORING
Source:	EDF	Other Name:	B-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-10&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-10&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-10">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-10</a>		

**D27**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000055018**

Well ID:	T0608192710-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-3&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-3&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-3">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-3</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D28**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF000005632**

Well ID:	T0608192710-B3	Well Type:	MONITORING
Source:	EDF	Other Name:	B3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B3&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B3&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B3">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B3</a>		

**D29**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000119434**

Well ID:	T0608192710-B2	Well Type:	MONITORING
Source:	EDF	Other Name:	B2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B2&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B2&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B2">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B2</a>		

**D30**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000061902**

Well ID:	T0608192710-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-1</a>		

**D31**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000012044**

Well ID:	T0608192710-P-1	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-1&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=P-1&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-1">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=P-1</a>		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**D32**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000063998**

Well ID:	T0608192710-B-8	Well Type:	MONITORING
Source:	EDF	Other Name:	B-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-8&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=B-8&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-8">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=B-8</a>		

**D33**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000106556**

Well ID:	T0608192710-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-6&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-6&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-6">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-6</a>		

**D34**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CAEDF0000035270**

Well ID:	T0608192710-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-7&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&amp;samp_date=&amp;global_id=T0608192710&amp;assigned_name=MW-7&amp;store_num=</a>		
GeoTracker Data:	<a href="https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-7">https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&amp;global_id=T0608192710&amp;assigned_name=MW-7</a>		

**E35**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      4902**

Seq:	4902	Prim sta c:	04S/06W-34K01 M
Frds no:	4110010007	County:	41
District:	04	User id:	ENG
System no:	4110010	Water type:	G
Source nam:	PARK WELL	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	373220.0	Longitude:	1223010.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 7: Not Reported

System no:	4110010	System nam:	Citizens Utilities Comp Of Ca
Hqname:	CITIZENS UTILITIES COMP OF CA	Address:	P.O. Box 15468
City:	Sacramento	State:	CA
Zip:	95468	Zip ext:	Not Reported
Pop serv:	4058	Connection:	1623
Area serve:	Montara-Moss Beach		

**E36**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    CADDW0000013311**

Well ID:	4110010-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	PARK WELL - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	<a href="https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=4110010-007&amp;store_num=">https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&amp;samp_date=&amp;global_id=&amp;assigned_name=4110010-007&amp;store_num=</a>		
GeoTracker Data:	Not Reported		

**1G**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**AQUIFLOW    67174**

Site ID:	000358
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	7a
Date:	10/16/1989

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94038	16	0

Federal EPA Radon Zone for SAN MATEO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

### Federal Area Radon Information for SAN MATEO COUNTY, CA

Number of sites tested: 32

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.594 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.000 pCi/L	100%	0%	0%
Basement	3.133 pCi/L	67%	33%	0%



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## OTHER STATE DATABASE INFORMATION

### Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

### California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

## RADON

### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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## **Appendix D   EDR Historical Documentation**



## **Moss Beach State Route 1 Improvements Project**

Cabrillo Highway and Cypress Ave

Moss Beach, CA 94038

Inquiry Number: 7288317.11

March 27, 2023

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

Moss Beach State Route 1 Imp  
 Cabrillo Highway and Cypress  
 Moss Beach, CA 94038  
 EDR Inquiry # 7288317.11

**Client Name:**

AECOM  
 One Montgomery Street  
 San Francisco, CA 94104  
 Contact: Wanda Farmer



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2020	1"=750'	Flight Year: 2020	USDA/NAIP
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
1998	1"=750'	Flight Date: September 06, 1998	USDA
1993	1"=750'	Acquisition Date: July 10, 1993	USGS/DOQQ
1983	1"=750'	Flight Date: July 03, 1983	USDA
1974	1"=750'	Flight Date: June 07, 1974	USGS
1968	1"=750'	Flight Date: April 16, 1968	USGS
1963	1"=750'	Flight Date: June 04, 1963	EDR Proprietary Aerial Viewpoint
1956	1"=750'	Flight Date: September 08, 1956	USGS
1946	1"=750'	Flight Date: July 29, 1946	USGS
1943	1"=750'	Flight Date: October 11, 1943	USDA

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INQUIRY #: 7288317.11

YEAR: 2020

— = 750'





INQUIRY # 7288317.11

YEAR: 2016

— = 750'







INQUIRY # 7288317.11

YEAR: 2012

— = 750'





INQUIRY # 7288317.11

YEAR: 2009

— = 750'





INQUIRY # 7288317.11

YEAR: 2006

— = 750'





INQUIRY # 7288317.11

YEAR: 1998

— = 750'





INQUIRY #: 7288317.11

YEAR: 1993

— = 750'





INQUIRY #: 7288317.11

YEAR: 1983

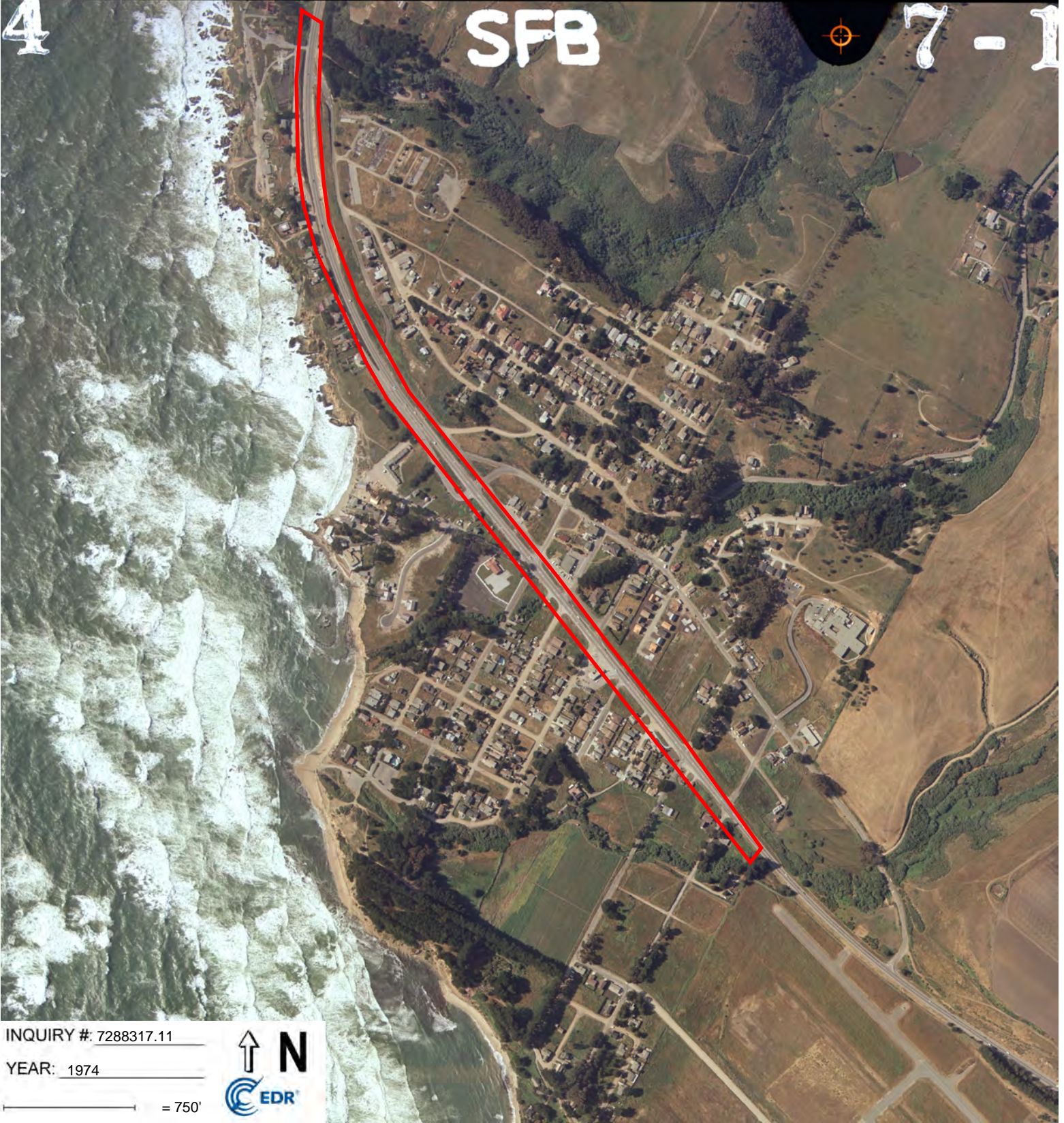
— = 750'



4

SFB

7-1



INQUIRY #: 7288317.11

YEAR: 1974

— = 750'





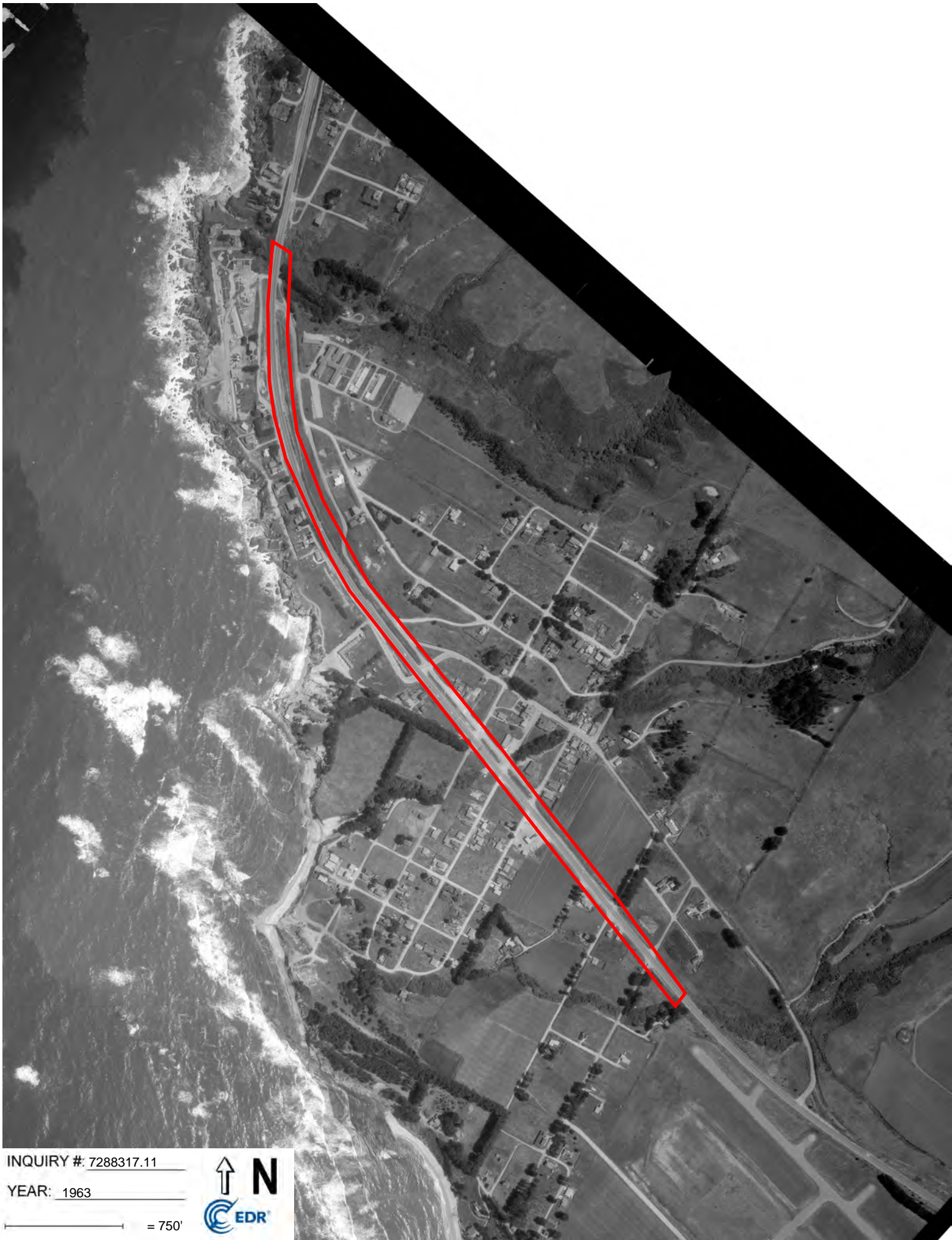
INQUIRY # 7288317.11

YEAR: 1968

— = 750'







INQUIRY #: 7288317.11

YEAR: 1963

— = 750'



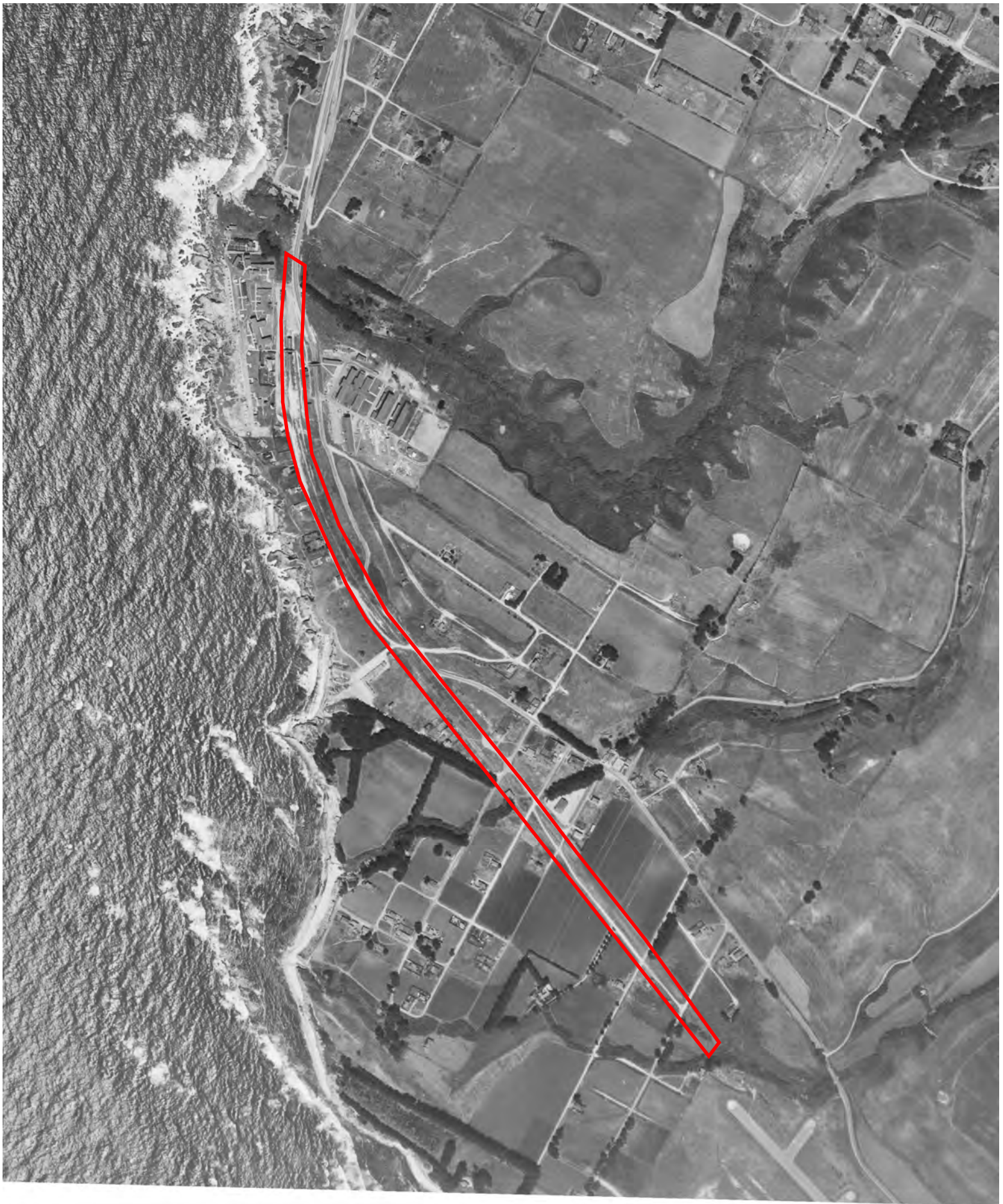


INQUIRY # 7288317.11

YEAR: 1956

— = 750'



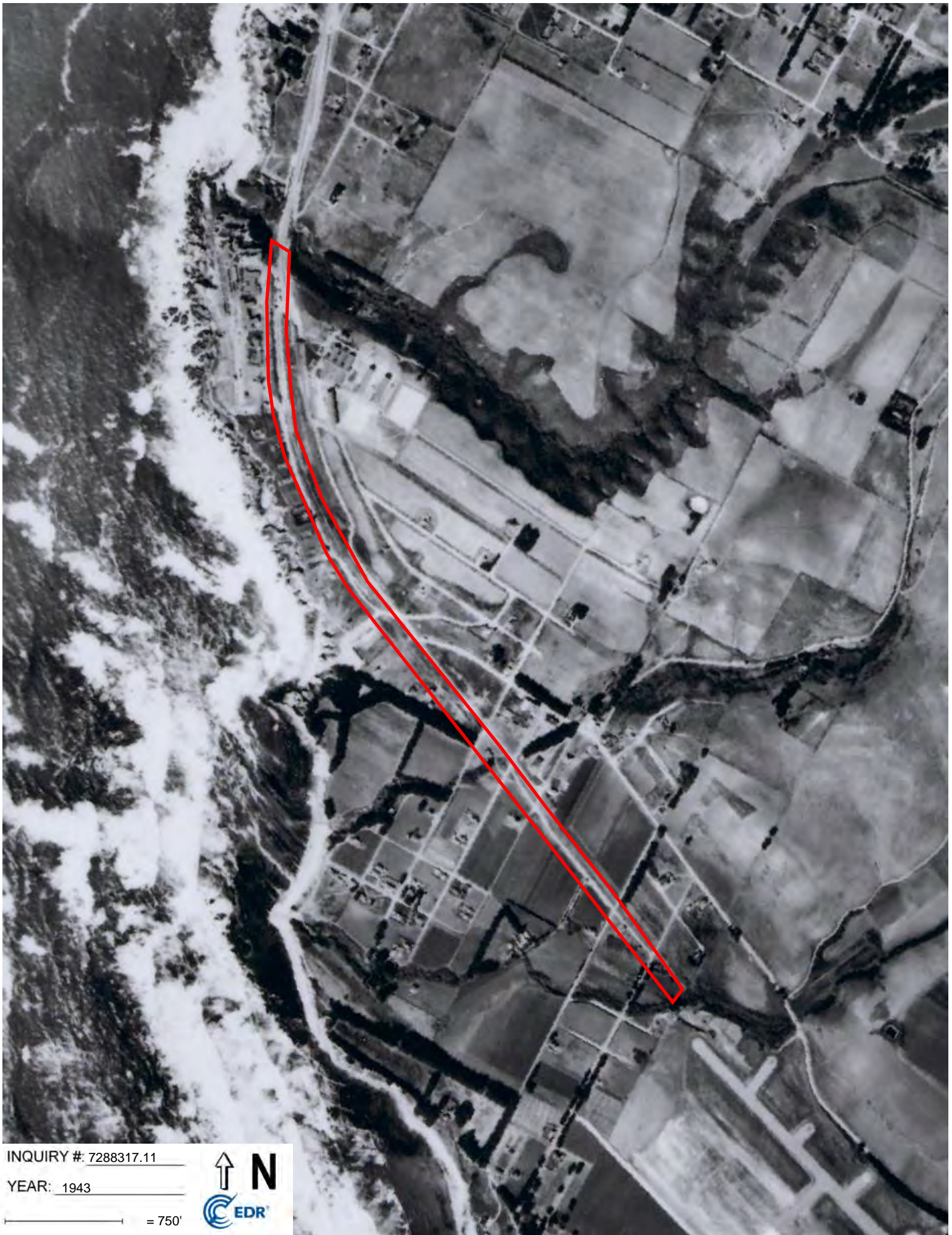


INQUIRY # 7288317.11

YEAR: 1946

— = 750'





INQUIRY # 7288317.11

YEAR: 1943

— = 750'



Moss Beach State Route 1 Improvements Project

Cabrillo Highway and Cypress Ave

Moss Beach, CA 94038

Inquiry Number: 7288317.4

March 23, 2023

## EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

03/23/23

**Site Name:**

Moss Beach State Route 1 Imp  
Cabrillo Highway and Cypress  
Moss Beach, CA 94038  
EDR Inquiry # 7288317.4

**Client Name:**

AECOM  
One Montgomery Street  
San Francisco, CA 94104  
Contact: Wanda Farmer



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	60691445 Task 05.01.2	<b>Latitude:</b>	37.529168 37° 31' 45" North
<b>Project:</b>	Moss Beach Improvement Proj	<b>Longitude:</b>	-122.515025 -122° 30' 54" West
		<b>UTM Zone:</b>	Zone 10 North
		<b>UTM X Meters:</b>	542850.43
		<b>UTM Y Meters:</b>	4153687.80
		<b>Elevation:</b>	65.42' above sea level

**Maps Provided:**

2018  
2015  
2012

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## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2018 Source Sheets



Montara Mountain OE W  
2018  
7.5-minute, 24000



Montara Mountain  
2018  
7.5-minute, 24000

### 2015 Source Sheets



Montara Mountain OE W  
2015  
7.5-minute, 24000



Montara Mountain  
2015  
7.5-minute, 24000

### 2012 Source Sheets



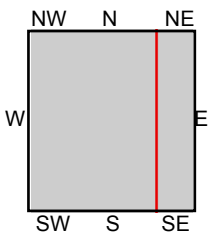
Montara Mountain OE W  
2012  
7.5-minute, 24000



Montara Mountain  
2012  
7.5-minute, 24000



This report includes information from the following map sheet(s).



TP, Montara Mountain OE W, 2018, 7.5-minute  
NE, Montara Mountain, 2018, 7.5-minute

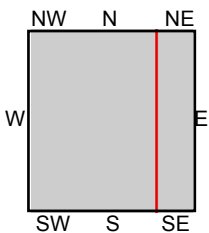
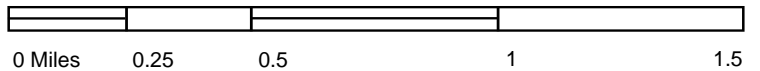
**SITE NAME:** Moss Beach State Route 1 Improvements  
**ADDRESS:** Cabrillo Highway and Cypress Ave  
Moss Beach, CA 94038  
**CLIENT:** AECOM







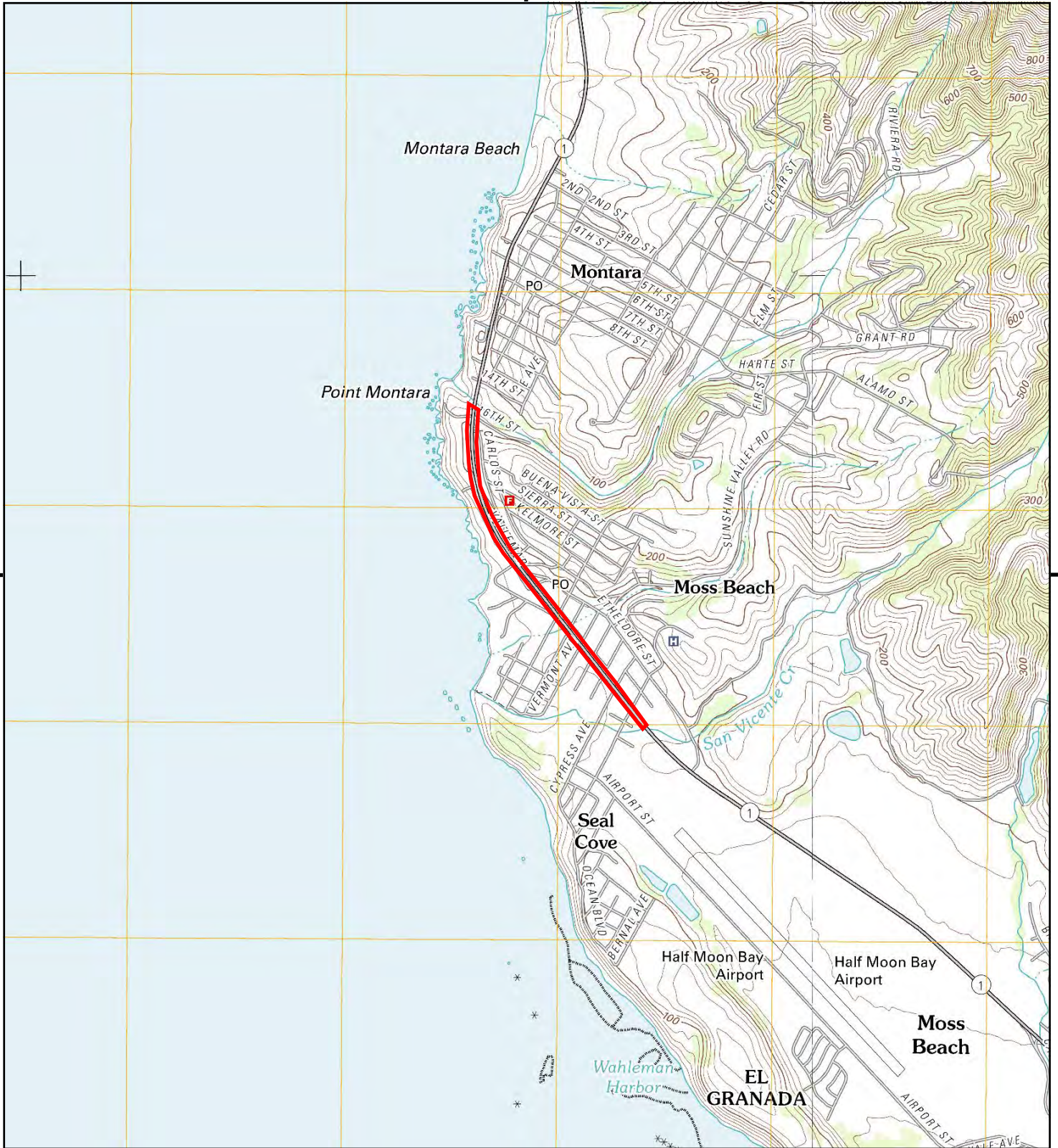
This report includes information from the following map sheet(s).



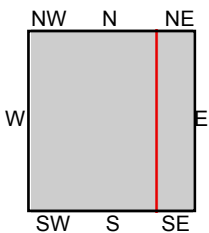
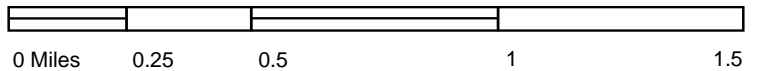
TP, Montara Mountain OE W, 2015, 7.5-minute  
 NE, Montara Mountain, 2015, 7.5-minute

**SITE NAME:** Moss Beach State Route 1 Improvements  
**ADDRESS:** Cabrillo Highway and Cypress Ave  
 Moss Beach, CA 94038  
**CLIENT:** AECOM





This report includes information from the following map sheet(s).



TP, Montara Mountain OE W, 2012, 7.5-minute  
 NE, Montara Mountain, 2012, 7.5-minute

**SITE NAME:** Moss Beach State Route 1 Improvements  
**ADDRESS:** Cabrillo Highway and Cypress Ave  
 Moss Beach, CA 94038  
**CLIENT:** AECOM



**Moss Beach State Route 1 Improvements Project**

Cabrillo Highway and Cypress Ave  
Moss Beach, CA 94038

Inquiry Number: 7288317.5

March 28, 2023

# The EDR-City Directory Image Report

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*Thank you for your business.*

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

### RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1986	☑	☑	Haines Criss-Cross Directory
1981	☑	☑	Haines Criss-Cross Directory
1976	☑	☑	Haines Criss-Cross Directory
1970	☑	☑	Haines Criss-Cross Directory

# FINDINGS

## TARGET PROPERTY STREET

Cabrillo Highway and Cypress Ave  
Moss Beach, CA 94038

Year            CD Image            Source

### CABRILLO HWY

2020	pg A1	EDR Digital Archive	
2017	pg A5	Cole Information	
2014	pg A9	Cole Information	
2010	pg A13	Cole Information	
2005	pg A17	Cole Information	
2000	pg A21	Cole Information	
1995	pg A25	Cole Information	
1992	pg A29	Cole Information	
1986	pg A33	Haines Criss-Cross Directory	
1981	pg A38	Haines Criss-Cross Directory	
1976	pg A42	Haines Criss-Cross Directory	
1970	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source

### CYPRESS AVE

2020	pg A3	EDR Digital Archive	
2017	pg A7	Cole Information	
2014	pg A11	Cole Information	
2010	pg A15	Cole Information	
2005	pg A19	Cole Information	
2000	pg A23	Cole Information	
1995	pg A27	Cole Information	
1992	pg A31	Cole Information	
1986	pg A35	Haines Criss-Cross Directory	
1981	pg A40	Haines Criss-Cross Directory	
1976	pg A43	Haines Criss-Cross Directory	
1976	pg A44	Haines Criss-Cross Directory	
1970	pg A46	Haines Criss-Cross Directory	

## FINDINGS

### CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<b><u>CARLOS ST</u></b>			
2020	pg. A2	EDR Digital Archive	
2017	pg. A6	Cole Information	
2014	pg. A10	Cole Information	
2010	pg. A14	Cole Information	
2005	pg. A18	Cole Information	
2000	pg. A22	Cole Information	
1995	pg. A26	Cole Information	
1992	pg. A30	Cole Information	
1986	pg. A34	Haines Criss-Cross Directory	
1981	pg. A39	Haines Criss-Cross Directory	
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1970	-	Haines Criss-Cross Directory	Street not listed in Source

### **VALLEMAR**

2020	pg. A4	EDR Digital Archive	
2017	pg. A8	Cole Information	
2014	pg. A12	Cole Information	
2010	pg. A16	Cole Information	
2005	pg. A20	Cole Information	
2000	pg. A24	Cole Information	
1995	pg. A28	Cole Information	
1992	pg. A32	Cole Information	
1986	pg. A36	Haines Criss-Cross Directory	
1986	pg. A37	Haines Criss-Cross Directory	
1981	pg. A41	Haines Criss-Cross Directory	
1976	pg. A45	Haines Criss-Cross Directory	
1970	pg. A47	Haines Criss-Cross Directory	

## **City Directory Images**



**CABRILLO HWY 2020**

2448	EL GRAN AMIGO TAQUERIA
9400	ATM
	MOSS BEACH CHEVRON & MINI-MKT
9500	ANJELO GOMEZ
	ATM
	MURLI GUZMAN
9510	SCOTT CROPPER
9555	ROBERT LANE
9575	MARY DOHERTY
	SHERRI CARROL
	SHONDRA MAYER
9680	EVELYN NADEAU
	KENNETH NADEAU
9690	JANET BECERRA
	JASON HUFF
	JOSE BECERRA
	ROSALIA BECERRA
	TIMOTHY PETROCCHI

**CARLOS ST 2020**

2165 TARHN KOERTING  
WAYNE KOERTING  
2205 FRANZ FLATH  
LAURENCE FLATH  
VANITHA SANKARAN  
2305 COASTSIDE CHIROPRACTIC  
WINE ROOM  
2315 US POST OFFICE  
2350 ODYSSEY  
PIZZERIA DEL SOL & CAFE  
2355 PHIPPS CONSTANCE ATY  
2385 HALF MOON BAY PILATES  
WATER SOLUTIONS INC

**CYPRESS AVE 2020**

140 MARIS WEIL  
150 ANTHONY KANE  
BEHZAD NASRE  
BODO INC  
GERRY KANE  
KATHLEEN KANE  
PATRICIA KANE  
221 DANA KELLEY  
ELECTRIC CHARGING STATION  
KATHRYN DAYAN  
KELLY DAYAN  
SEAL COVE INN  
226 CARI OLSON  
SCOT OLSON  
301 AMY FURR  
JOHN GILMORE  
RUSSELL FURR  
323 CIELO HOUSE  
333 CYPRESS MEADOWS  
343 RANDALL DARDENELLE  
S DARDENELLE  
431 MARY CLEMENS  
460 ALFONSO PEREDA  
461 DUSTIN ABAONZA  
471 JOSH KLOTOVICH  
MARYANN KIESSELBACH  
NINA EVANS  
480 MARK DER STRAATEN  
488 CAROLINE WALSH  
490 CAROLINE WALSH  
510 DAVID PIERCE  
KAREN SANTIAGO  
511 KAREN GILCHRIST  
WILLIAM GILCHRIST  
521 DEBORAH WILLIAMS  
531 SONJA KRIEGER  
541 MARK DAVIS  
560 GRUBER PLUMBING LLC  
590 ROBERT HANSTEN  
TIMOTHY CISNEROS

**VALLEMAR 2020**

2000	ALLEN PRICE CAROL PRICE
2006	JAMES YEO
2009	AMY TYLER MICHAEL TYLER
2010	SAMMYE LACY
2076	ALBERT WIRDZEK VERA WIRDZEK
2090	ALI DJABBARI
2100	STEVEN PERUN
2130	KATHERINE PAPPAS-KASSARAS
2132	ANITA MARTINEZ
2166	CLAIRE TOUTANT PATRICIA DAILEY

**CABRILLO HWY 2017**

8150	LA COSTANERA
8445	NEIGHBORHOOD MART
8888	MONTARA WATER & SANITARY DISTRICT
8950	30 CAFE
9400	CHEVRON
9500	GUZMAN, BRYAN A
9510	CROPPER, SCOTT G
9575	DOHERTY, MARY L
9630	DUBINSKY, JARON
9680	NADEAU, KENNETH R

**CARLOS ST 2017**

2145 KENNEDY, GARY R  
2165 KOERTING, TARHN M  
2205 SANKARAN, VELLIYUR R  
2305 COASTSIDE CHIROPRACTIC  
THE WINE ROOM  
2315 UNITED STATES GOVERNMENT  
2350 ODYSSEY PIZZERIA & CAFE  
2385 HALF MOON BAY PILATES  
HARMONY ROAD MUSIC CENTER  
JOY OF BEINGYOGA MASSAGE REIKI

**CYPRESS AVE 2017**

140 WEIL, SETH H  
221 COPY MACHINES SERVICE & REPAIR  
SEAL COVE INN  
301 FURR, RUSSELL B  
323 CIELO HOUSE INC  
333 CYPRESS FLOWER FARM  
GO NATIVE NURSERY  
401 SANTOS, ISABEL C  
460 OCONNOR, KELLY J  
461 ABAONZA, DUSTIN R  
471 KIESSELBACH, MARYANN E  
480 TAYLOR, LISA M  
490 WALSHE, MARGARET E  
510 WILLIAMS, CHARLEEN  
590 CISNEROS, TIM L

**VALLEMAR 2017**

2000	PRICE, ALLEN J
2008	BALL, CRYSTAL
2009	TYLER, CHRISTOPHER L
2010	LACY, RANDY H
2090	LOOMIS, RICHARD M
2100	PERUN, STEVEN G
2132	BUTLER, G S



**CABRILLO HWY 2014**

2002 TORRES, OFELIA  
8850 THREE ZERO CAFE  
THREE ZERO VENTURES INC  
8950 30 CAFE  
9400 CHEVRON STATION MOSS BEACH  
MOSS BEACH CHEVRON & MINIMARKET  
9500 WHITMORE, DOUG H  
9555 OCCUPANT UNKNOWN,  
9575 DOHERTY, MARY L  
9630 MCCLUNG, JOHN A  
9680 MAHTESIAN, RONALD G  
9690 GARCIA, C

**CARLOS ST 2014**

2145 KENNEDY, GARY R  
2165 OCCUPANT UNKNOWN,  
2205 SANKARAN, VELLIYUR R  
2305 COASTSIDE CHIROPRACTIC  
HEALING MASSAGE  
2315 UNITED STATES GOVERNMENT  
2350 ODYSSEY PIZZERIA & CAFE  
2355 PHIPPS CONSTANCE ATTY  
PHIPPS, CONSTANCE  
2385 HALF MOON BAY PILATES  
HARMONY ROAD MUSIC CENTER  
JOY OF BEINGYOGA MASSAGE REIKI

**CYPRESS AVE 2014**

147	BOLLMAN, FRED
150	NASRE, BEHZAD
221	SEAL COVE INN
226	GONZALES, JJ
301	VASS, WILLIAM J
323	CIELO HOUSE INC
333	CYPRESS FLOWER FARM
	GO NATIVE NURSERY
343	OCCUPANT UNKNOWN,
460	PATTERSON, TANNITH
461	STEELE, LYNDA J
471	KIESSELBACH, MARYANN E
480	MORRISON, MYRON C
490	PINGUL, JANSSEN M
501	EPPE, GEOFFREY P
510	WILLIAMS, CHARLEEN
511	GILCHRIST, WILLIAM H
541	DAVIS, MARK A
560	GRUBER, PHIL
590	CISNEROS, TIM L

**VALLEMAR 2014**

2000	PRICE, ALLEN J
2008	MAGNUSON, MIYUKI K
2009	TYLER, CHRISTOPHER L
2010	LACY, RANDY H
2068	KASOME, BARBRA
2076	WIRDZEK, ALBERT
2090	OCCUPANT UNKNOWN,
2100	PERUN, STEVEN G
2130	BARTH, BARGER
2132	OCCUPANT UNKNOWN,
2136	KRAFT, AMBER
2150	FOGARTY, THOMAS J
2166	TOUTANT, CLAIRE G



-

**CABRILLO HWY 2010**

2002 TORRES, OFELIA  
8850 THREEZERO CAFE  
9500 WHITMORE, DOUG H  
9510 DUNPHY, COREY R  
9555 LANE, CHRIS S  
9575 CARROL, SHERRI  
9630 MCCLUNG, JOHN A  
9680 MAHTESIAN, RONALD G  
9690 BECERRA, JOSE H

**CARLOS ST 2010**

2145 KENNEDY, GARY R  
2165 KOERTING, TARHN M  
2203 HAMPTON, JOHN G  
2205 OCCUPANT UNKNOWN,  
2305 COASTSIDE CHIROPRACTIC  
2315 US POST OFFICE  
2350 PIZZERIA DEL SOL & CAFE  
2355 BOURTUE, JAMES  
2385 DOLPHIN REAL ESTATE  
HARMONY ROAD MUSIC CTR  
JOYBEING YOGA MASSAGE REIKI  
MARENCO KARATE SCHOOLS

**CYPRESS AVE 2010**

140 BOLLMAN, FRED G  
150 OCCUPANT UNKNOWN,  
221 SEAL COVE INN  
226 GONZALES, KAREN J  
301 VASS, WILLIAM J  
323 DARDENELLE, RANDALL R  
333 CYPRESS FLOWER FARM  
343 CYPRESS MEADOWS  
OCCUPANT UNKNOWN,  
401 SANTOS, ISABEL  
460 GOEURY, DENIS  
461 STEELE, LYNDA J  
471 EVANS, ROBBEY L  
480 MORRISON, MYRON C  
490 PENG, YOLANDA H  
501 EPPES, GEOFFREY P  
510 SANTIAGO, MIKE  
511 GILCHRIST, WILLIAM H  
531 KRIEGER, BARRETT J  
541 BROUGHTON, AARON B  
560 GRUBER, PHIL  
590 OCCUPANT UNKNOWN,

**VALLEMAR 2010**

2000 OCCUPANT UNKNOWN,  
2006 YEO, JAMES R  
2008 OCCUPANT UNKNOWN,  
2009 TYLER, CHRISTOPHER L  
2010 LACY, RANDY H  
2066 KASOM, WAYNE K  
2068 KASOME, BARBRA  
2076 WIRDZEK, ALBERT  
2136 KRAFT, AMBER  
2150 OCCUPANT UNKNOWN,



**CABRILLO HWY 2005**

2002 TORRES, OFELIA  
9500 WHITMORE, DOUG H  
9555 LANE, ROBERT M  
9575 DOHERTY, MARY L  
9630 OCCUPANT UNKNOWN,  
9680 MAHTESIAN, RONALD G  
9690 LOVETTE, JON J

**CARLOS ST 2005**

2145 KENNEDY, GARY R  
2165 KOERTING, WAYNE R  
2203 HAMPTON, JOHN G  
2315 UNITED STATES GOVERNMENT POSTAL SERV  
2350 AHUMADA, MARCELA  
PIZZERIA DEL SOL & CAFE  
2355 CONSTANCE PHIPPS  
PHIPPS, CONSTANCE  
2385 CITIZENS UTILITIES  
HARMONY ROAD MUSIC CENTER  
HARMONY ROAD MUSIC CTR  
MARENCO KARATE SCHOOLS  
MEDIA LUNA FASHIONS  
REMAX  
SEASIDE SERENITY

**CYPRESS AVE 2005**

140	BOLLMAN, FRED G SEAL COVE PROPERTIES
150	KANE, GERALD J
221	SEAL COVE INN
226	GONZALES, KAREN J
301	VASS, WILLIAM J
333	CYPRESS FLOWER FARM
401	SANTOS, ISABEL
431	CLEMENS, MARY J
460	PEREDA, ALFONSO
461	STEELE, LYNDA J
471	EVANS, ROBBEY L
480	MORRISON, MYRON C
550	KELLER, NADINE
590	JONES, FRED L

Target Street

Cross Street

Source

-

✓

Cole Information

## VALLEMAR 2005

2000	OCCUPANT UNKNOWN,
2006	YEO, JAMES R
2008	CAMPANA, NANCY E
2009	TYLER, CHRISTOPHER L
2010	LEE, MARY T
2076	WIRDZEK, ALBERT
2136	KRAFT, AMBER



-

**CABRILLO HWY 2000**

2448	EL GRAN AMIGO TAQUERIA
8950	30 CAFE
	THREE ZERO CAFE
9400	CHEVRON MOSS BEACH
	MOSS BEACH CHEVRON & MINI MARKET
9500	ARNOLD, SYLVIA
	WHITMORE, DOUG
9630	MCCLUNG, JOHN

**CARLOS ST 2000**

2145 KENNEDY, GARY  
2201 BADINER, SAM  
2203 HAMPTON, JOHN G  
2305 COASTSIDE CHIROPRACTIC  
OCEAN SHORE VIDEO  
2350 PONY EXPRESSO CAFE THE  
2355 AIR ANGST  
BILJON MARKETING INTERNATIONAL  
CHIRI BAKALEINIKOFF & ASSOCIATES INTER  
HAPPY AIR  
PHIPPS CONSTANCE ATTORNEY  
ROBOT REDFORD INDUSTRIAL ROBOTS USA  
STAR ROBOTS USA  
2385 BEACH CLEANER  
CITIZENS UTILITIES COMPANY OF CALIF  
WILLIAMS KIM EA

**CYPRESS AVE 2000**

150	KANE, GERALD J
221	HERBERT, RICHARD SEAL COVE INN
333	CYPRESS FLOWER FARM GO NATIVE NURSERY NURSERY
501	EPPES, KAREN L
510	BROOKS, HOWARD A
541	PENA, LISA

**VALLEMAR 2000**

2006	YEO, JAMES R
2009	TYLER, C
2066	SOLHAUG, D R
2076	WIRDZEK, ALBERT
2132	CLARK, C J
	WOODMAN, N D
2136	CLARK, JASON





-

**CABRILLO HWY 1995**

2145	KENNEDY, GARY
9500	ARNOLD, SYLVIA
	WHITMORE, DOUG
9630	MCCLUNG, JOHN

**CARLOS ST 1995**

- 2305 COASTSIDE CHIROPRACTIC  
OCEAN SHORE VIDEO
- 2350 RANDITOS BURRITOS
- 2355 CONSTANCE PHIPPS  
STAR ROBOTS USA  
VICTOR H ABADIE III GEOLIGISTS
- 2385 CITIZENS UTILITIES CO  
ELIZABETH VESPREMI  
TILLIES LIL FRANKFURT



-

**CYPRESS AVE 1995**

221	HERBERT, RICHARD SEAL COVE INN
333	CYPRESS FLOWER FARM
460	MILOVINA, SUSAN P QUINN, JACK
471	WEST, C K
590	MILJUS, GEORGE F

**VALLEMAR 1995**

2000 PETRINI, RICO J  
2010 SCOTT, O W  
2076 WIRDZEK, ALBERT  
2090 BRANDON, MICHAEL  
2136 WHITING, H R



-

**CABRILLO HWY 1992**

2145	KENNEDY, GARY
2448	EL GRAN AMIGO TQRIA
9500	WHITMORE, DOUG
9630	MCCLUNG, JOHN

**CARLOS ST 1992**

2305 LANDEMARE HENRY DC  
LANDEMARE, HENRY M  
OCEAN SHORE VIDEO  
2350 RANDITOS BURRITOS  
2355 ABADIE VICTOR H 3D  
ABADIE, VICTOR H III  
PHIPPS C ATTY  
SOLUTIONS BY CMPTR  
STAR ROBOTS USA  
2385 CITIZENS UTLTY CA  
TILLIES LIL FRANKFT  
VESPREMI, E



-

**CYPRESS AVE 1992**

150 KANE, GERRY  
221 HERBERT, RICHARD  
SEAL COVE INN  
333 CYPRESS FLOWER FARM  
460 MILOVINA, SUSAN P  
QUINN, JACK  
461 MURPHY, BILL  
471 WEST, C K  
550 OKEEFE, JASON

Target Street

Cross Street

Source

-

✓

Cole Information

**VALLEMAR 1992**

2010 SCOTT, O W  
2076 WIRDZEK, ALBERT  
2132 COX, EDNA L  
KING, DOROTHY A



## CABRILLO HWY 1986

# CABRILLO HWY 94038

## MOSS BEACH

2145	KENNEOY GARY	728-7687
2448	MAXINES	728-3815 +6
9555	XXXX	00
9575	BARLAS NANCY	728-9250 +6
	FLOCKEN JOHN	728-7552
	FLOCKEN MARY	728-7552 5
9600	XXXX	00
9630	MCCLUNG DONNA	728-7829
	MCCLUNG JOHN	728-7829 3
NO #	ARIAONA ADDESS	728-3548
NO #	DANS MOTEL	728-3766
★	2 BUS	9 RES
		2 NEW

## CARLOS ST 1986

# CARLOS 94038

## MOSS BEACH

2015	ISAACSON CHRISTIE	728-7703	1
2025	XXXX	00	
2065	KOERTING WAYNE	728-7672	8
2095	MILES JOE C	728-3197	0
	MILES JUNE M	728-3197	
	WOODHEAD JUNE M	728-3197	0
2145	XXXX	00	
2205	SUTTON ANNE	728-7682	5
	SUTTON JOHN G	728-7682	
2355	MOSS BEACH PRFSNL	728-7866	+8
	MOSS BEACH PRFSNL	728-7332	+6
	PNIPPS C ATTY	728-7490	2
	PINK BARDN ABALONE	728-3333	+8
2385	JACOBSEN EOITH AIA	728-7851	2
	JACOBSEN ERIC N AIA	728-5905	4
	OCEAN VIEW PROP	728-3334	+8
	TILLIES LIL FRANKFT	728-5744	8
★	8 BUS	9 RES	4 NEW

## CYPRESS AVE 1986

# CYPRESS AV 94038

## MOSS BEACH

401	XXXX	00
431	XXXX	00
450	XXXX	00
460	MILOVINA S P	728-7475 +6
	QUINN JACK	728-7475 +6
461	XXXX	00
471	PHILLIPS B R	728-3930
490	XXXX	00
510	XXXX	00
521	GALLAGHER DOUG	728-7656 +6
	GALLAGHER TERRI	728-7656 +6
541	XXXX	00
550	FITZGERALD JOHN A	728-7439 4
★	0 BUS	13 RES
		4 NEW

## VALLEMAR 1986

VALLEMAR 94038			
MOSS BEACH			
1	2000	XXXX	00
5	2006	XXXX	00
	2008	XXXX	00
	2010	SCOTT O W	728-3312
	2060	XXXX	00
	2064	XXXX	00
	2076	WIROZEK ALBERT	728-3835
		WIRDZEK EILENE	728-3835
	2084	XXXX	00
	2090	HALL DAVIO JOHN	728-3553 5
		RANSOM CHRIS	728-5736 +8
8		RANSOM SALLY	728-3553 5
8	2130	WIRTZ PAT	728-7131 +8
	2132	COX EDNA L MJR	728-3365 5
4		KING DOROTHY A	728-3365 5
	2136	JOHNSON DIANE	728-5934 +8
		JOHNSON ROBT	728-5934 +8

VALLEMAR 1986

Target Street	Cross Street	Source
VALLEMAR		94038 CONT
2166	BERGDALL KATHERINE	728-5814
	BERGOALL LUTHER	728-5814 3
★	0 BUS 19 RES	4 NEW

CABRILLO HWY 1981

CABRILLO HWY 94038  
MOSS BEACH

2055	PFEIFFER ERIC	728-7630	4
2145	KENNEDY GARY	728-7687	4
9555	TOOD KENNETH J	728-3569	+1
9575	MARSH FRANCIS JR	728-3420	+1
	MARSH FRANCIS JR	728-3250	+1
9630	XXXX	00	
NO #	ARIADNA ADDESS	728-3548	
NO #	DANS MOTEL	728-37B6	3
★	1 BUS	7 RES	3 NEW

## CARLOS ST 1981

# CARLOS 94038

## MOSS BEACH

2015	ISAACSON GARY N	728-7703 +1
2065	KOERTING WAYNE	728-7672 8
2095	MILES JOE C	728-3197 0
	WOODHEAD JUNE M	728-3197 0
2145	KENNEDY KATHLEEN	728-7855 0
2201	SMITH PAUL E	728-3636 +1
2355	SELECT INVESTMENTS	728-7807 +1
2385	TILLIES LIL FRANKFT	728-5744 8
NO #	COASTSD BAKERY	728-544D+1
★	3 BUS	6 RES
		4 NEW

## CYPRESS AVE 1981

# CYPRESS AV 94038

## MOSS BEACH

401	XXXX	00	
431	CLEMENS M T	728-3580	2
450	BRANDRIFF ROBERT K	728-7547	5
461	SMITH LEON A	728-3427	6
471	PHILLIPS B R	728-3930	2
510	FEDERIGHI R J	728-7906	0
	SCARLOTTI CLYDE	728-3274	7
521	XXXX	00	
541	DYER DAN	728-7424	0
550	STRUYF MICHAEL	728-5848	0
★	0 BUS	10 RES	0 NEW



## VALLEMAR 1981

# VALLEMAR 94038

## MOSS BEACH

2000	XXXX	00	
2006	XXXX	00	
2008	MILLER NEIL J	728-5965	0
2009	XXXX	00	
2010	SCOTT O W	728-3312	3
2060	PLUMMER ROBT B	728-7955	0
2066	BALL ROBERT F	728-5703	+1
	MCMULLEN ROBERT	728-5703	+1
2076	WIRDZEK ALBERT	728-3835	2
	WIRDZEK S	728-7130	9
2084	MCMILLAN EDW	728-3192	
2090	KEMPER CHAS	728-7190	+1
	PERKINS PETER	728-7190	+1
2112	DALPORTO LINDA	728-3016	+1
2130	XXXX	00	
2132	KURTZ DOROTHY N	728-5926	7
	ZIETZ DOROTHY	728-5926	7
2136	XXXX	00	
2166	BROOKS GRACE	728-3859	7
	BROOKS JACK	728-3859	7
	SNELGROVE ERNEST	728-3859	7
★	0 BUS	21 RES	5 NEW

## CABRILLO HWY 1976

## CABRILLO HWY 94038 MOSS BEACH

100*	CITIZENS UTILITIES	728-3358	2
2055	PFEIFFER ERIC	728-7630	4
2145	KENNEOY GARY	728-7687	4
NO #	ARIAONA AODESS	728-3548	
NO #*	OANS MOTEL	728-3786	3
NO #	GUAGLIAROO CHAS	728-5684	+6
NO #	HASTINGS ELIZABETH	728-5557	5
NO #*	ROSS REALTY	728-3332	5
NO #*	SANOPIPER REALTY	728-5557	2
NO #	TORRE JUNE	728-3185	
*	4 BUS	6 RES	1 NEW

CYPRESS AVE 1976

CYPRESS AV 94038 MOSS BEACH

401	XXXX	00
431	CLEMENS M T	728-3580 2
450	BRANORIFF ROBT K	728-7547 5
461	SMITH LEON A	728-3427+6
471	PHILLIPS B R	728-3930 2
521	PAODOCK THOS	728-3574 5
531	KIRKHAM WM R	728-5265+6

CYPRESS AVE 1976

SAN MATEO CO.		
..CYPRESS AV	94038	CONT..
1400 BONE DENNIS		728-7528 5
NO # TRICKEY K		728-3825+6
* 0 BUS	9 RES	3 NEW

## VALLEMAR 1976

## VALLEMAR 94038 MOSS BEACH

2000	XXXX	00
2006	XXXX	00
2009	MCENTEE JOHN V	728-3031
2010	SCOTT O W	728-3312 3
2060	MYERS L MARIE	728-3525+6
2066	EDMEAOS WM O	728-5144
2076	WIROZEK ALBERT	728-3835 2
2084	MCMILLAN EOW	728-3192
2112	XXXX	00
2130	GROVES TEO V	728-7127 4
2132	XXXX	00
2136	BIKLEN OAVIO	728-5270+6
2166	BERGOALL LUTHER	728-3535
*	O BUS 13 RES	2 NEW

## CYPRESS AVE 1970

CYPRESS AV 94038 MOSS BEACH

450	PETRONI	GERARD	728-3498
471	PHILIPPS	B R	728-3930
1400	TIERNEY	JAS	728-5624
NO #	CLEMENS	M T	728-3580
*	0	BUS	4 RES

## VALLEMAR 1970

## VALLEMAR 94038 MOSS BEACH

2000	VANTILBURG JANIS	728-3554
2009	MCENTEE JOHN V	728-3031
	YEITHER JAS A	728-3031
2060	HOOK HENRY O SR	728-3359
2066	EDMEADES WM D	728-5144
2084	MCMILLAN EDW	728-3192
2112	WATSON E JOS	728-3713
2130	KINGSLEY LARRY D	728-5109
2132	LAMBERT LILLIAN F	728-3039
2136	ZELESNIKAR JANET	728-5716
2166	BERGDALL LUTHER	728-3535
NO #	SCOTT OLGA MRS	728-3312
NO #	SNYDER SAML	728-3791

\* O BUS 13 RES

Moss Beach State Route 1 Improvements Project

Cabrillo Highway and Cypress Ave

Moss Beach, CA 94038

Inquiry Number: 7288317.3

March 23, 2023

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# Certified Sanborn® Map Report

03/23/23

**Site Name:**

Moss Beach State Route 1 Imp  
Cabrillo Highway and Cypress  
Moss Beach, CA 94038  
EDR Inquiry # 7288317.3

**Client Name:**

AECOM  
One Montgomery Street  
San Francisco, CA 94104  
Contact: Wanda Farmer



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

**Certified Sanborn Results:**

**Certification #** 5385-4540-ADED  
**PO #** 60691445 Task 05.01.2  
**Project** Moss Beach Improvement Project

**UNMAPPED PROPERTY**

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 5385-4540-ADED

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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**Moss Beach State Route 1 Improvements Project**

Cabrillo Highway and Cypress Ave  
Moss Beach, CA 94038

Inquiry Number: 7288317.8

March 23, 2023

# EDR Building Permit Report

Target Property and Adjoining Properties

## EDR Building Permit Report: Search Documentation

3/23/23

**Site Name:**

Moss Beach State  
Cabrillo Highway  
Moss Beach, CA 94038

**Client Name:**

AECOM  
One Montgomery Street  
San Francisco, CA 94104

EDR Inquiry # 7288317.8

Contact: Wanda Farmer

### Search Documentation

#### DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/23/23, EDR does not have access to building permits in the city where your target property is located (Moss Beach, CA).

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# EDR BUILDING PERMIT REPORT

## About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

## ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

## Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



**Moss Beach State Route 1 Improvements Project**

Cabrillo Highway and Cypress Ave  
Moss Beach, CA 94038

Inquiry Number: 7288317.6

March 23, 2023

# The EDR Property Tax Map Report

## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

### NO COVERAGE

*Thank you for your business.*

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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[aecom.com](http://aecom.com)

## Attachment – I

Storm Water Data Report (SWDR) signature page





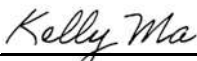
Dist-County-Route: 04-SM-1  
Post Mile Limits: 34.8 / 35.9  
Type of Work: Intersection & Multimodal Improvements  
Project ID (EA): 0422000339 EA 04-OY780  
Program Identification: PSR-PDS Moss Beach SR-1 Congestion and Safety Improvements  
Phase:  PID       PA/ED       PS&E

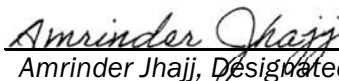
Regional Water Quality Control Board(s): San Francisco Bay (Region 2)  
Total Disturbed Soil Area: 3.48, 3.62, or 5.32 acres      PCTA: 1.04, 1.42, or 1.47 acres  
Alternative Compliance (acres): 0      ATA 2 (50% Rule)?      Yes       No   
Estimated Const. Start Date: 07/2028      Estimated Const. Completion Date: 05/2029  
Risk Level:      RL 1       RL 2       RL 3       WPCP       Other: \_\_\_\_\_  
Is MWELo applicable?      Yes       No       **TBD at PS&E**  
Is the Project within a TMDL watershed?      Yes       No   
TMDL Compliance Units (acres): **TBD at PS&E**  
Notification of ADL reuse (if yes, provide date):      Yes       Date: **TBD at PS&E**      No

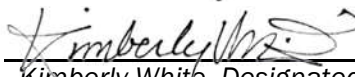
**This Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the date upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E only.**

  
Kevin Oaks, P.E., Registered Project Engineer      6/26/2023  
Date

**I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:**

  
Kelly Ma, Project Manager      8/18/23  
Date

  
Amrinder Jhajj, Designated Maintenance Representative      08/17/2023  
Date

  
Kimberly White, Designated Landscape Architect Representative      8/18/23  
Date

[Stamp Required at PS&E only]        
Mojgan Osooli, District/Regional Design SW Coordinator or Designee      8/24/2023  
Date

## Attachment – J

### PSR-PDS Survey Needs Questionnaire

## PSR-PDS SURVEY NEEDS QUESTIONNAIRE

### General Guidance:

The project datums, vertical and horizontal, need to be established as soon as possible in the schedule, and all other mapping adjusted to the project datums. Obsolete datums such as NAD27 and NGVD29 should not be used for new projects.

What Survey Control Datums will be used for project design and mapping?

#### Vertical Control

- NAVD 1988 (Preferred)
- NGVD 1929 (Alternative)
- Other (Must consult with Caltrans Surveys )

#### Horizontal Control

California Coordinate System of 1983 (2011)

- Epoch 2017.50
- Other than CCS83 (Must consult with Caltrans Surveys)

Will the project need a Sea Level Rise Risk Assessment?

Does the project adjoin the ocean or tidal waterways? **YES**

Is the existing highway protected by levees, sea walls, or rip-rap? **YES**

Will existing as-builts, centerlines, or base mapping require any datum or unit conversions?

***Yes, some of the as-builts are in NGVD 1929 control***

Are the right of way record maps current? **YES**

Is there any need to accelerate design accuracy surveys for this project?

***YES, The project is expected to accelerate schedule based on availability of funding.***

## Attachment – K

### HQ DES PSR-PDS Scoping Checklist

# Division of Engineering Services

## PSR-PDS Scoping Checklist

### Project Information

---

District 04 County SM Route 1 (Post Mile) R34.8/R35.9 EA 0Y780K  
Project ID#0422000339

Project Description: Moss Beach SR 1 Congestion and Safety Improvements Project

Project Manager Kelly Ma Phone # (510) 908-2708

DES Project Liaison Engineer\* (PLE):

DES Special Funded Projects Liaison Engineer: Phone #

DES Consultant Management Engineer: Syed Kazmi Phone # 916-396-9225

\*The Project Liaison Engineer will provide assistance with the completion of this form.

### Project Scope

---

DES acknowledges that scope is in development at this time. The Project Liaison Engineer is available to assist the District in determining the involvement of DES functional units. The intent of the checklist is to gather as much information as possible on the alternatives to accurately identify the involvement of DES.

Describe and identify in the following sections a general description of improvements anticipated as part of the project scope that will require DES functional unit involvement.

#### Check applicable boxes describing proposed scope of project.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> New Expressway/Freeway on new alignment          | <input type="checkbox"/> Other Roadway Realignment           | <input type="checkbox"/> Widen Highway      |
| <input type="checkbox"/> Construct Interchange                            | <input type="checkbox"/> Emergency/Storm Damage              | <input type="checkbox"/> Rockfall Project   |
| <input type="checkbox"/> Modify Interchange                               | <input type="checkbox"/> Bridge Widening                     | <input type="checkbox"/> Left-turn Pocket   |
| <input type="checkbox"/> Bridge Replacement                               | <input type="checkbox"/> Curve Correction                    | <input type="checkbox"/> Modify Slope       |
| (New alignment? <input type="checkbox"/> Yes <input type="checkbox"/> No) | <input type="checkbox"/> Building Project                    | <input type="checkbox"/> Stabilize Subgrade |
| <input type="checkbox"/> Bridge Rehabilitation                            | <input type="checkbox"/> Median Barrier Retrofit             | <input type="checkbox"/> Stabilize Roadway  |
| <input type="checkbox"/> New Bridge                                       | <input type="checkbox"/> Construct Passing Lane              | <input type="checkbox"/> Landslide/Slip-out |
| <input type="checkbox"/> Bridge Seismic Retrofit                          | <input checked="" type="checkbox"/> Soundwall/Retaining Wall | <input type="checkbox"/> Bridge Deck Rehab. |
| <input type="checkbox"/> Other Design:                                    | <input type="checkbox"/> Roadway Rehabilitation              | <input type="checkbox"/> Bridge Joint Seals |

Briefly describe proposed scope of DES involvement for all alternatives.

Alternative 1: Build Alternative 1-Option A- Retaining walls adjacent to proposed intersection improvements at 16<sup>th</sup> St./SR-1.

Alternative 2: Build Alternative 1-Option B- Retaining walls adjacent to proposed intersection improvements at 16<sup>th</sup> St./SR-1.

Alternative 3: Build Alternative 2 Retaining walls adjacent to proposed intersection improvements at 16<sup>th</sup> St./SR-1.

## Project Schedule

---

PA/ED Date	01/2026
------------	---------

## Project Cost

---

**For PSR (PDS) projects, the following section is to be used for EACH alternative, provided that the scope is significantly different.**

### Alternative 1- Option A, B

	<u>Project Cost Range (\$ 1000's)</u>	<u>Cost of Largest Structure (\$ 1000's)</u>
Roadway	\$20,054,000	\$4,522,000
Structure**	\$ 4,522,000	
Total	\$24,576,000	

\*\*Structure Cost Range to be provided by (check one)

Consultant

Structure Design Technical Liaison.

### Alternative 2

	<u>Project Cost Range (\$ 1000's)</u>	<u>Cost of Largest Structure (\$ 1000's)</u>
Roadway	\$19,931,000	\$4,522,000
Structure**	\$ 4,522,000	
Total	\$24,453,000	

\*\*Structure Cost Range to be provided by (check one)

Consultant

Structure Design Technical Liaison.

## Project Scope Breakdown by DES Function

---

### Photogrammetry

**Note: A Photogrammetry Service Request-PSR (PDS) must be completed and submitted to DES Photogrammetry by the District Photogrammetry Coordinator.**

### Bridge Design Services (check applicable boxes)

#### Design by:

Office of Structure Design

Structure Maintenance Design

Office of Structure Contract Management (Consultant Design Oversight)

Office of Special Funded Projects (Consultant Design Oversight)

**Bridge Information:**

<input type="checkbox"/> New Bridge(s)	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge Replacement(s)	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge Widening(s)	Number	Br. Name(s) & No(s).
<input type="checkbox"/> New Bridge over water	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge Replacement over water	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge Widening over water	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge Rail Replacement(s)	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Approach Slab	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge with Railroad Involved	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge w/ Scour Analysis	Number	Br. Name(s) & No(s).
<input type="checkbox"/> Bridge w/ Special Design or Retrofit	Number	Br. Name(s) & No(s).

**Other DES functional units required for Structure Work**

- Structure Hydraulics (include if bridge is over or adjacent to water)
- Preliminary Investigations (Structure Foundation Plan)
- Geotechnical Services (Structure Foundations)

**Wall Design Data for Structure Design & Geotechnical Services**

<input type="checkbox"/> Soundwall(s) Number	Est. Max. Ht Est. Length	<input type="checkbox"/> Standard Design	<input type="checkbox"/> Special Design
<input checked="" type="checkbox"/> Ret. walls(s) Number 3	Est. Max. Ht 14 ft Est. Length Var. 441-587ft	<input checked="" type="checkbox"/> Standard Design	<input type="checkbox"/> Special Design
<input type="checkbox"/> MSE Wall(s) Number	Est. Max. Ht Est. Length	<input type="checkbox"/> Standard Design	<input type="checkbox"/> Special Design

**Geotechnical Services**

**Is Oversight for consultant prepared geotechnical reports required?**

Yes       No

**Has the Geotechnical Design Liaison or other geotechnical person been contacted?**

Yes       No      If yes, who?

<b>Terrain</b>	<input type="checkbox"/> Flat	<input type="checkbox"/> Rolling	<input type="checkbox"/> Mountainous
<b>Cuts:</b>	Est. Max Height (ft)	Est. Volume (ft <sup>3</sup> ):	<input type="checkbox"/> New <input type="checkbox"/> Widen
<b>Fills:</b>	Est. Max Height (ft)	Est. Volume (ft <sup>3</sup> ):	<input type="checkbox"/> New <input type="checkbox"/> Widen

**Sign Structures**

<input type="checkbox"/> Overhead Sign Foundations	Number
<input type="checkbox"/> Changeable Message Sign Foundations	Number

**Other:**

- Special Studies (slope stability, rockfall, erosion, seepage, ground water, settlement, liquefaction, slipout repair, rock slope, etc.) Explain
- Existing Maintenance Problems: Explain:

**Technical Specialist Design**

Anticipated insertable plan sheet(s) check below:

<input type="checkbox"/> Culvert(s)	Number
<input type="checkbox"/> Barrier(s)	Number
<input type="checkbox"/> Signs and Overhead Structures	Number
<input type="checkbox"/> Other Design:	Explain:

**Transportation Architecture Design**

<input type="checkbox"/> Design New Building(s)	Explain:
<input type="checkbox"/> Remodel Existing Buildings(s)	Explain:
<input type="checkbox"/> Bridge Aesthetics Evaluation	Explain:
<input type="checkbox"/> Build scale model	Explain:
<input type="checkbox"/> Other Aesthetics work	Explain:

**Electrical, Mechanical, Water & Wastewater Design**

<input type="checkbox"/> Pumping Plants	Explain:
<input type="checkbox"/> Movable bridge, drawbridge	Explain:
<input type="checkbox"/> Lighting control system for facilities	Explain:
<input type="checkbox"/> Sanitary Systems	Explain:

**Materials Engineering & Testing Services**

**Pavement**

<input type="checkbox"/> Rigid	<input type="checkbox"/> Flexible	Average Grade	Average Superelevation
<input type="checkbox"/> Deflection Study Required		No. of Locations	Lane/miles to be tested

**Consultation and Inspection**

<input type="checkbox"/> Loop detectors	<input type="checkbox"/> Signal & Lighting Products	<input type="checkbox"/> Changeable Message Signs, Closed Circuit TV
<input type="checkbox"/> Concrete Bridge	<input type="checkbox"/> Steel Bridge	

**Materials Engineering & Testing Services (Continued)**

**Corrosion Tests**

<input type="checkbox"/> Soil	<input type="checkbox"/> Concrete	<input type="checkbox"/> Cathodic Protection System
-------------------------------	-----------------------------------	---

**Other**

<input type="checkbox"/> Special Products:	Explain
--	---------

**Additional Studies, Investigations or Research from DES**

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Identify additional studies or investigations that may be required from DES Functional Units.

**Prepared By: Marco Baez (AECOM) Date 11/04/2023**

Please submit this form to DES, to the attention of the Project Liaison Engineer, Office of Project Delivery, in the subdivision of Program/Project & Resource Management.

DES will provide a Structure Cost Estimate Range, for each alternative and a resource summary estimate to be included in the project workplan.



Attachment – L  
Design Scoping Index

# Design Scoping Index

Attach the project location map to index to show the location of all design improvements.

Today's Date:	6/27/2023
Status (Initial, Update):	

## General Information:

District:	County:	Route:	Post Mile	Project Number
04	SM	1	R34.8/R35.9	0422000339

Project Manager (Caltrans)	Kelly Ma	Phone #	(510) 908-2708
Project Manager (Consultant)	Maria Sedghi	Phone #	(408) 961-8481
Project Engineer (Consultant)	Marius Gogosanu	Phone #	(408) 961-8467
Design Functional Manager		Phone #	

General Project Description:	Improve the operations and safety for all users as well as pedestrian and bicycle facilities along SR 1 within the project limits.
Project Need:	Vehicles traveling at high rates of speeds present challenging conditions for residents and visitors alike, and specifically to cross SR 1 to access goods, services, and recreational areas. Currently, there is just one marked crosswalk of SR 1 within the project limits and there are no dedicated bikeways. The current pedestrian and bicycle conditions make it challenging for people to walk and bike safely.
Project Purpose:	Improve multi-modal operations and safety along the project segment of SR 1 in each direction.

Item	Considerations	Yes/No/Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
I. Project Setting (refer to Planning Scoping Checklist)	Rural or Urban?	Urban	Coastal Freeway Corridor
	Current Land Uses: (e.g., industrial, light industry, commercial, agricultural residential etc).	Residential	Mostly Residential
	Adjacent Land Uses:	Yes	Residential
	Existing Landscaping:	Yes	EB and WB of SR 1
	Designated or Eligible Scenic Highway	Yes	Coastal Highway near the ocean

The following pages are to be used for each alternative provided that the scope is significantly different. If a route has been adopted as a freeway, a decision must be made as to whether or not the project will address improvements to the existing traversable highway or move to construction of a freeway facility.

Item	Considerations	Yes/No/Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):	
Design Concept and Route Matters	1.	Design Concept?		
		Freeway/Expressway/Conventional Highway	Conventional Highway	SR 1 PM R34.8/ R35
		Mixed highway and transit	Yes	SamTrans Route 18 and 117
		Mixed highway and rail	No	
		Urban	Yes	
		Other		
	2.	Existing Route Adoption Date		
	3.	New Route Adoption Proposed?	No	
	4.	Existing Freeway Agreement Date		
	5.	New Freeway Agreement Proposed?	No	
6.	Public Road Connection Proposed?	No		
Design Criteria	1.	Design speed for highway facilities within the project limit mph		25 MPH to 55 MPH
	2.	Design Period: (10 yr/15 yr/20 yr)		20 yr
		Construction Year		2028
		Design Year		2048
	3.	Design Capacity - Level of Service to be maintained over the design period:		TBD
		Mainline		TBD
		Ramp	N/A	
		Local Street		TBD
		Weaving Sections	N/A	
	4.	Design Vehicle Selection		
		STAA	No	
		California	Yes	California Legal Design Vehicle
		Bus	Yes	45-foot bus and Motorhome

Forecasted Average Daily Traffic volumes	<u>TBD</u>
Percent truck volume	<u>TBD%</u>

Proposed Roadbed and Structure Widths

State Highway (SR-1)	Roadbed Width			Structure Width		
	Existing	Proposed	Standard	Existing	Proposed	Standard
Lane widths/#	12'	12'	12'			
Left Shoulder	N/A	N/A	N/A			
Right Shoulder	10'	10'	10'			
Median Width	0	0'-12'	0			
Bicycle lane	N/A	6'	5'			
Sidewalk	N/A	10'	8'			
Planting strip	N/A	N/A	N/A			
<b>Local Streets (Cypress Ave)</b>						
Lane widths/#	11'	11'	11'			
Left Shoulder	N/A	N/A	N/A			
Right Shoulder	N/A	N/A	N/A			
Median Width	N/A	N/A	N/A			
Bicycle lane	N/A	N/A	N/A			
Sidewalk	N/A	6'	6'			
Planting strip	N/A	N/A	N/A			

Item	Considerations		Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Roadway Design Scoping	1. Mainline Operations	Main lane highway widening?	No	
		Existing pavement to be rehabilitated with Asphalt Concrete/Rubberized AC/PCC?	No	
		Widen existing facility from ___ lanes to ___ lanes.	N/A	
		Local street structures to span ___ lanes.	N/A	
		Curb extensions	No	
		Shoulder improvements	Yes	Shoulders will be repaved
		Bicycle lanes	Yes	Class II bikelane is being proposed along both sides of SR 1
		Pedestrian refuge islands	Yes	At Cypress Ave. and California Ave. for Build Alternative 1
		Sidewalks	Yes	From Vallemar Way to Marine Blvd. along the SB direction and between 16th and 14th along the NB direction
		Right of Way acquisition required for ___ lanes.	No	

		Upgrade existing facility to: Expressway/Freeway/ Controlled Access Highway/ Traversable Highway Standards?	No	
		Improve Vertical Clearance	No	
		Adequate Falsework Clearance	N/A	
		Traffic calming features	Yes	raised median island

Item	Considerations		Yes/No/ Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Roadway Design Scoping	2. Ramp/Street Intersection Improvements	New Signals?	Yes	New signal at 16th Alt 1 and 2. New signal at Cypress Ave., California Ave.,-Alternative 2
		Modify Existing Signals?	N/A	
		Right Turn Lanes	Yes	Alt. 2
		Widening for Localized Through lanes?	No	
		Merging Lanes?	N/A	
		Deceleration/ Acceleration lanes?	N/A	
		Left Turn Lanes?	Yes	Alt. 1 & 2
		>300 VPH Left Turn (Requires Double Left Turn Lane)	N/A	
		Interchange Spacing?	N/A	
		Ramps Intersect Local Street < 4% grade?	N/A	
		Intersection Spacing?	N/A	
		Exit Ramps >1,500 VPH (Requires two lane exit)	N/A	
		Single lane ramps exceeding 1000' widened to Two lanes	N/A	
		Curb Ramps?	Yes	At cross streets within the project limits
		Pedestrian Facilities?	Yes	Sidewalks, Multi-Purpose Trail, Class II Bike Lane
Operational Improvements	Truck Climbing Lane	Sustained Grade exceeding 2% and Total Rise Exceeds 50'?	N/A	
		Other?		
	Auxiliary Lanes	2000' between Successive On-Ramps?	N/A	
		Two lane Exit Ramps have 1300' Auxiliary Lane?	N/A	
		Weaving < 2000' between off-ramp and on-ramp?	N/A	
		Other?		

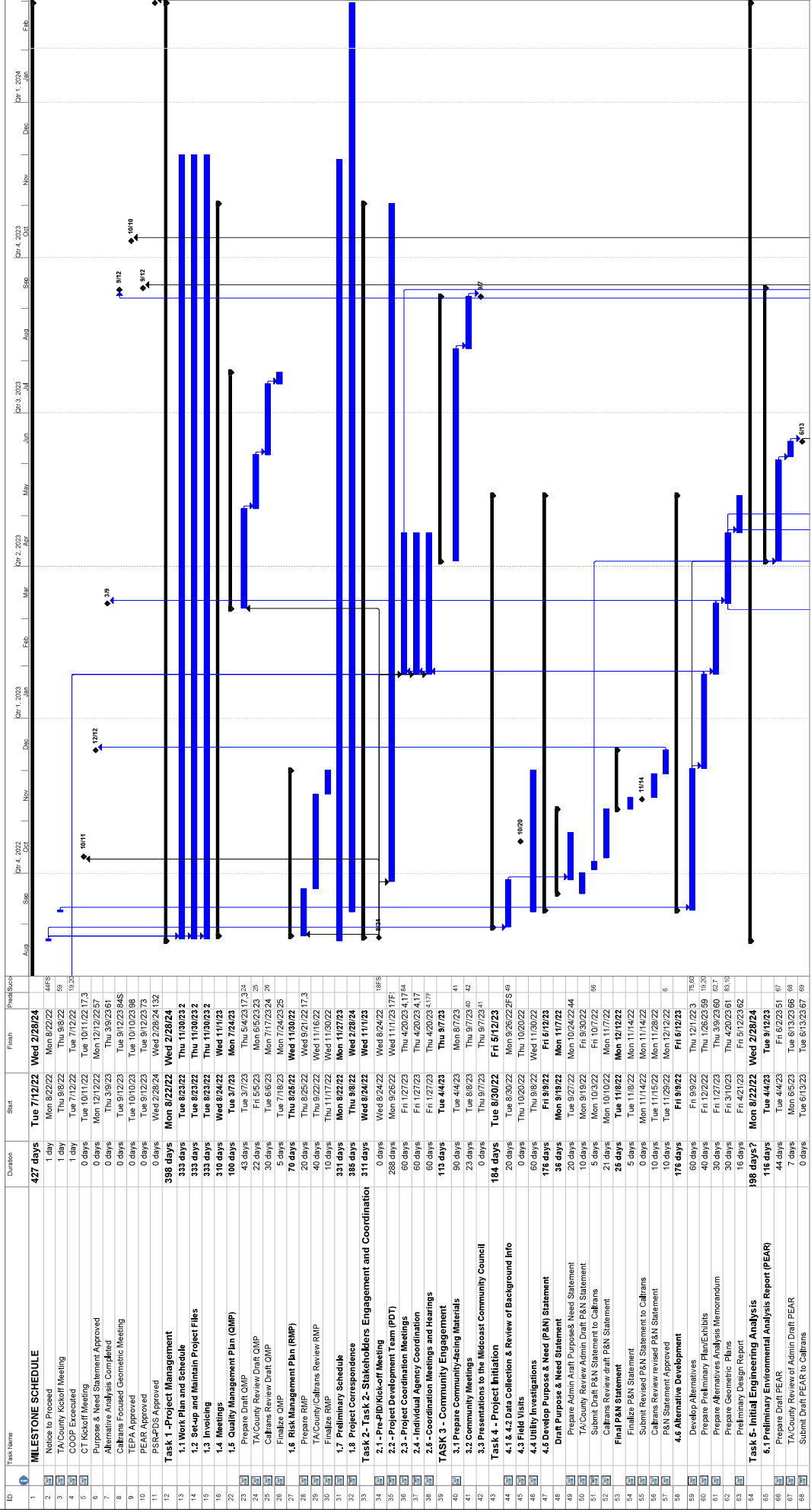
Item	Considerations	Yes/No/Specify	Comments (summarize pertinent information, assumptions and reference location of detailed information):
Right of Way Access Control	Existing access control extends at least 50 ft beyond end of curb return, radius or taper?	N/A	
	New construction access control extends at least 100' (urban areas) or 300' (rural areas) beyond end of curb returns, radius or taper?	N/A	
	Other?		
Highway Planting and Irrigation	Clearing and Grubbing?	Yes	Along both sides of SR1 within the project limits
	Relocate Existing Irrigation Facilities? Highway Planting and Irrigation (including median and roadside)	No	
Roadside Management	Vegetation control treatments (road edge, guardrails, signs, drainage facilities, miscellaneous pavement narrow areas, etc.)	No	
	Modernization and clustering of facilities and hardware (removing and replacing other items), gore area pavement	N/A	
	Rehabilitate gore area pavement and pavement beyond gore areas (remove and replace miscellaneous pavement and curbs	N/A	
	Contour grading, slope rounding, stepped slopes and topsoil reapplication	No	
	Side slopes/embankment slope	No	
Safety	Off-Freeway Access (gate, access road, and stairways)	N/A	
	Maintenance Vehicle Pull-Out	N/A	
	Adequate safety working conditions	Yes	
	Relocate roadside facilities/features (cabinets, poles, pull boxes and vaults) away from traffic	No	
Hydraulics/ Stormwater (Refer to the Stormwater data sheet)	Erosion Control?	Yes	at 16th Street
	Drainage?	Yes	Drainage improvements throughout the project area
	Slope Design?	No	
Structures (Refer to Structures Scoping Checklist or APS)	New Bridge? Providing public access for recreational purposes must be fully considered for new bridges over navigable rivers.	No	
	Bridge Rehabilitation?	No	
	Retaining Wall	Yes	both sides of SR 1 at 16th St
	Bicycle or Pedestrian Overcrossing/Undercrossing	No	
	Other		
	On STRAIN list for:		
Other			

Attachment – M  
Project Schedule



# Moss Beach State Route 1 Congestion and Safety Improvements Project

## PID Schedule 02/02/2024



ID	Task Name	Duration	Start	Finish	Preced	Post
1	<b>MILESTONE SCHEDULE</b>	<b>427 days</b>	<b>Tue 7/12/22</b>	<b>Wed 2/28/24</b>		
2	Notice to Proceed	1 day	Mon 8/22/22	Mon 8/22/22	44FS	
3	TA County Kickoff Meeting	1 day	Thu 9/8/22	Thu 9/8/22	59	
4	COOP Executed	0 days	Tue 7/12/22	Tue 7/12/22	19,25	
5	CT Kickoff Meeting	0 days	Tue 10/11/22	Tue 10/11/22	3,7	
6	Purpose & Need Statement Approved	0 days	Mon 12/12/22	Mon 12/12/22	3,61	
7	Alternative Analysis Completed	0 days	Tue 3/9/23	Thu 3/9/23	61	
8	Callans Focused Geometric Meeting	0 days	Tue 9/12/23	Tue 9/12/23	84S	
9	TEPA Approved	0 days	Tue 10/10/23	Tue 10/10/23	98	
10	PEAR Approved	0 days	Tue 9/12/23	Tue 9/12/23	73	
11	PSR-PDS Approved	0 days	Wed 2/28/24	Wed 2/28/24	132	
12	<b>Task 1 - Project Management</b>	<b>398 days</b>	<b>Mon 8/22/22</b>	<b>Wed 2/28/24</b>		
13	1.1 Work Plan and Schedule	333 days	Tue 8/23/22	Thu 1/30/23		
14	1.2 Setup and Maintain Project Files	333 days	Tue 8/23/22	Thu 1/30/23		
15	1.3 Invoicing	310 days	Wed 8/24/22	Mon 1/1/23		
16	1.4 Meetings	100 days	Tue 9/7/23	Mon 7/24/23		
17	1.5 Quality Management Plan (QMP)	43 days	Thu 3/7/23	Thu 5/4/23	17,34	
18	Prepare Draft OMP	22 days	Fri 5/5/23	Mon 5/23/23	35	
19	TA County Review Draft OMP	30 days	Tue 5/6/23	Mon 7/17/23	24,26	
20	Callans Review Draft OMP	5 days	Tue 7/18/23	Mon 7/24/23	25	
21	Finalize OMP	70 days	Thu 8/25/22	Wed 11/30/22		
22	Prepare RMP	20 days	Thu 8/25/22	Wed 9/21/22	17,3	
23	TA County/Callans Review RMP	40 days	Thu 9/22/22	Wed 11/6/22		
24	Finalize RMP	10 days	Thu 11/17/22	Wed 11/30/22		
25	1.6 Preliminary Schedule	331 days	Mon 8/22/22	Mon 11/27/23		
26	1.7 Risk Management Plan (RMP)	386 days	Thu 9/8/22	Wed 2/28/24		
27	1.8 Project Correspondence	311 days	Wed 8/24/22	Wed 11/1/23		
28	2.1 Pre-PID/Kick-off Meeting	0 days	Wed 8/24/22	Wed 8/24/22	18S	
29	2.2 - Project Development Team (PDT)	288 days	Mon 9/26/22	Wed 11/1/23	17F	
30	2.3 - Project Coordination Meetings	60 days	Fri 11/27/23	Thu 4/20/24	17,34	
31	2.4 - Individual Agency Coordination	60 days	Fri 11/27/23	Thu 4/20/24	17	
32	2.5 - Coordination Meetings and Hearings	119 days	Tue 4/4/23	Thu 9/7/23		
33	TASK 3 - Community Engagement	90 days	Tue 4/4/23	Mon 8/7/23	41	
34	3.1 Prepare Community-Facing Materials	23 days	Thu 8/8/23	Thu 9/7/23	42	
35	3.2 Community Meetings	0 days	Thu 9/7/23	Thu 9/7/23	41	
36	3.3 Presentations to the Midcoast Community Council	184 days	Tue 8/30/22	Fri 5/12/23		
37	TASK 4 - Project Initiation	20 days	Thu 10/20/22	Thu 10/20/22		
38	4.1 & 4.2 Data Collection & Review of Background Info	0 days	Thu 10/20/22	Thu 10/20/22	2F,5,9	
39	4.3 Field Visits	60 days	Thu 9/8/22	Wed 11/30/22		
40	4.4 Utility Investigations	176 days	Fri 9/9/22	Fri 6/12/23		
41	4.5 Develop Purpose & Need Statement	36 days	Tue 9/19/22	Mon 11/7/22		
42	Draft Purpose & Need Statement	20 days	Tue 9/27/22	Mon 10/24/22	44	
43	Prepare Admin Draft Purpose & Need Statement	10 days	Mon 9/19/22	Fri 9/30/22		
44	TA County Review Admin Draft P&N Statement	5 days	Mon 10/3/22	Fri 10/7/22	56	
45	Submit Draft P&N Statement to Callans	21 days	Mon 10/10/22	Mon 11/7/22		
46	Callans Review draft P&N Statement	25 days	Tue 11/8/22	Mon 12/12/22		
47	Finalize P&N Statement	5 days	Mon 11/14/22	Mon 11/14/22		
48	Submit Revised P&N Statement to Callans	0 days	Mon 11/14/22	Mon 11/14/22		
49	Callans Review revised P&N Statement	10 days	Tue 11/15/22	Mon 11/28/22		
50	P&N Statement Approved	10 days	Tue 11/29/22	Mon 12/12/22	6	
51	4.6 Alternative Development	176 days	Fri 9/9/22	Fri 6/12/23		
52	Develop Alternatives	60 days	Fri 9/9/22	Thu 12/1/22	75,82	
53	Prepare Preliminary Plan/Exhibits	40 days	Fri 12/2/22	Thu 1/26/23	59,19,20	
54	Prepare Alternatives Analysis Memorandum	30 days	Fri 12/2/22	Thu 3/9/23	60,62,7	
55	Prepare Geometric Plans	30 days	Fri 3/10/23	Thu 4/20/23	61,83,10	
56	Preliminary Design Report	16 days	Fri 4/21/23	Fri 5/12/23	62	
57	Finalize Design Report	0 days	Fri 4/21/23	Fri 5/12/23	62	
58	TASK 5 - Initial Engineering Analysis	198 days	Mon 8/22/22	Wed 2/28/24		
59	6.1 Preliminary Environmental Analysis Report (PEAR)	116 days	Tue 4/4/23	Tue 9/12/23		
60	Prepare Draft PEAR	44 days	Tue 4/4/23	Fri 6/23/23	67	
61	TA County Review of Admin Draft PEAR	7 days	Mon 6/5/23	Tue 6/13/23	68	
62	Submit Draft PEAR to Callans	0 days	Tue 6/13/23	Tue 6/13/23	69	



## Attachment – N

### Transportation Management Plan Data Sheet

**BUILD ALTERNATIVE 1**  
**TRANSPORTATION MANAGEMENT PLAN DATA SHEET**  
 For Consultant TMP Projects

PROJECT MANAGER Kelly Ma 510-908-2708
PROJECT ENGINEER Carry Wu 341-766-2493
DIST-EA/PROJ ID: EA 0Y780K 0422000339 PROGRAM CATEGORY
PROJECT COMMON NAME Moss Beach SR 1 Congestion and Safety Improvements Project
CO-RTE-PM: SM-1-PM R34.8/R35.9
LEGAL DESCRIPTION: On State Highway in San Mateo County in Moss Beach on Route 1 from 0.2 Mile South Cypress Avenue to 0.1 Mile North of 16th Street.
DETAILED WORK DESCRIPTION: Construct bicycle, pedestrian, and intersection improvements on SR 1 between Cypress Avenue to north of 16th Street.
CONSTRUCTION COST ESTIMATE: \$42,150,000 – \$42,850,000
PROJECT PHASE: PSR/PDS <input checked="" type="checkbox"/> PR <input type="checkbox"/> PS&E <input type="checkbox"/> _____%

**Traffic Impact Descriptions**

A) Does the proposed project includes long term closures ( > 24 hours)

Yes X No \_\_\_\_\_

[If "No", Continue to Item D (Preliminary TMP Elements and Costs.). If "Yes", Check Applicable Facilities.]

- Freeway Lanes
- Freeway Shoulder
- Freeway Connectors
- Freeway Off-ramps
- Freeway On-ramps
- Local Streets
- Full Freeway Closures

B) Are there any construction strategies that can restore existing number of lanes?  
 (Check Applicable Strategies)

- Temporary Roadway Widening Structure Involvement? Yes\_\_\_No\_x\_\_\_  
 (If yes, notify Project Manager)
- Lane Restriping (Temporary Narrow Lane Widths) Yes\_\_\_ No\_x\_\_\_
- Roadway Realignment (Detour Around Work Area)
- Median and/or Right Shoulder Utilization
- Use of an HOV lane as a Temporary Mixed Flow Lane
- Staging Alternatives (Explain Below)

**Notes:**

Shoulder closures, with the use of k-rail, are anticipated to construct pavement widening, sidewalks and other outside improvements. The number of existing lanes would not be altered during construction.

C) Calculated Delays (To be performed if construction strategies in Item B do not mitigate congestion resulting from Item A)

- 1. Estimated Maximum Individual Vehicle Delay     \_\_\_NA\_\_\_ Minutes
- 2. Existing or Acceptable Individual Vehicle Delay     \_\_\_NA\_\_\_ Minutes
- 3. Estimated Individual Vehicle Delay Requiring Mitigation  
  [(1) - (2)]     \_\_\_NA\_\_\_ Minutes
- 4. Estimated Delay Cost (Most Applicable)
  - Extended Weekend Closure                             \$ \_\_\_NA\_\_\_
  - Weekly (7 days)   \$ \_\_\_NA\_\_\_
- 5. Estimated Duration of Project Related Delays     \_\_\_NA\_\_\_
- 6. Cost of Construction Related Delays [(4 x 5)]   \$ \_\_\_NA\_\_\_

D) Preliminary TMP Elements and Cost

1. Public Information

- a. Brochures and Mailers                             \$ \_2,000\_
- b. Press Release   \$ \_2,000\_
- c. Paid Advertising                                     \$ \_\_\_\_\_
- d. Public Information Center/Kiosk                 \$ \_\_\_\_\_
- e. Public Meeting/Speakers Bureau                 \$ \_2,000\_
- f. Telephone Hotline                                   \$ \_\_\_\_\_
- g. Internet   \$ \_2,000\_
- h. Notification to impacted groups                 \$ \_3,000\_  
(Bicycle users, Pedestrians with disability, others.)
- i. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL                     \$ 11,000

2. Motorists Information strategies

- a. Changeable Message Signs (Fixed)             \$ \_\_\_\_\_
- b. Changeable Message Signs (Portable)         \$ \_40,200\_
- c. Ground Mounted Signs                             \$ \_\_\_\_\_
- d. Highway Advisory Radio                             \$ \_\_\_\_\_
- e. Caltrans Highway Information Network  
(CHIN)   \$ \_\_\_\_\_
- f. Revised Transit Schedules/Maps                 \$ \_3,000\_
- g. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL                     \$ 43,200

3. Incident Management

- a. Construction or Maintenance Zone Enhanced Enforcement Program (COZEEP or MAZEEP)                     \$ \_40,200\_

- b. Freeway Service Patrol \$ \_\_\_\_\_
- c. Traffic Management Team \$ \_\_\_\_\_
- d. New CCTVs and Detectors \$ \_\_\_\_\_
- e. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ 40,200**

4. Construction Strategies (In Addition to Elements Identified on Item B)

- a. Off Peak/Night/Weekend Work \$ 15,000  
(Lane Closure Charts)
- b. Reversible Lanes \$ \_\_\_\_\_
- c. Total Facility Closure \$ \_\_\_\_\_
- d. Extended Weekend Closure \$ \_\_\_\_\_
- e. Truck Traffic Restrictions \$ \_\_\_\_\_
- f. Reduced Speed Zone \$ 3,000
- g. Connector and Ramp Closures \$ \_\_\_\_\_
- h. Incentive and Disincentive \$ \_\_\_\_\_
- i. Moveable Barrier \$ \_\_\_\_\_
- j. Maintain Traffic \$ 40,200

SUB TOTAL **\$ 58,200**

5. Demand Management

- a. HOV Lanes/Ramps (New or Convert) \$ \_\_\_\_\_
- b. Park and Ride Lots \$ \_\_\_\_\_
- c. Rideshare Incentives \$ \_\_\_\_\_
- d. Variable Work Hours \$ \_\_\_\_\_
- e. Telecommute \$ \_\_\_\_\_
- f. Ramp Metering (New Installation) \$ \_\_\_\_\_
- g. Ramp Metering (Maintain Existing) \$ \_\_\_\_\_
- h. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

6. Alternate Route Strategies

- a. Add Capacity to Freeway Connector \$ \_\_\_\_\_
- b. Street Improvement \$ \_\_\_\_\_  
(widening, traffic signal, etc)
- c. Traffic Control Officers \$ \_\_\_\_\_
- d. Parking Restrictions \$ \_\_\_\_\_
- e. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

7. Other Strategies

- a. Application of New Technology \$ \_\_\_\_\_
- b. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

8. The Project includes the following: (Check applicable type of facility closures)
- a. Highway or Freeway Lanes
  - b. Highway or Freeway Shoulders
  - c. Full Freeway Closure
  - d. Freeway On/Off-Ramps
  - e. Freeway Connectors
  - f. Local Streets
  - g. Prolonged Ramp Closures

9. Major operations requiring traffic control and working days for each

<u>Operation</u>	<u># of Working Days</u>	<u># of Traffic Control Days</u>
<input checked="" type="checkbox"/> a. Clearing and Grubbing	5	4
<input type="checkbox"/> b. Existing Feature Removal	_____	_____
<input type="checkbox"/> c. Excavation of Embankments Construction	_____	_____
<input checked="" type="checkbox"/> d. Structural Section Construction	50	22
<input checked="" type="checkbox"/> e. Drainage Feature Construction	50	15
<input checked="" type="checkbox"/> f. Structures Construction	40	6
<input type="checkbox"/> g. MGS/Barrier Construction	_____	_____
<input checked="" type="checkbox"/> h. Striping	15	15
<input checked="" type="checkbox"/> i. Electrical Component Construction	30	5
<input type="checkbox"/> j. Other	_____	_____
Total days	190*	67

**TOTAL ESTIMATED COST OF TMP ELEMENTS** = \$ 152,600

**Notes :** Extensive TMP may be required for the significant impacts.

\*Concurrent construction activities

PREPARED BY (Consultant) Marco Baez  
Marco Baez (Dec 5, 2023 17:20 PST) DATE 12/5/2023  
 Marco Baez

APPROVAL RECOMMENDED BY  
 (Caltrans Oversight Engineer) Mimy Hew DATE 12/7/2023  
 Mimy Hew

APPROVED BY (TMP Office) Lance Hall DATE 12/7/2023  
 Lance Hall

**BUILD ALTERNATIVE 2**  
**TRANSPORTATION MANAGEMENT PLAN DATA SHEET**  
 For Consultant TMP Projects

PROJECT MANAGER Kelly Ma 510-908-2708
PROJECT ENGINEER Carry Wu 341-766-2493
DIST-EA/PROJ ID: EA 0Y780K 0422000339 PROGRAM CATEGORY
PROJECT COMMON NAME Moss Beach SR 1 Congestion and Safety Improvements Project
CO-RTE-PM: SM-1-PM R34.8/R35.9
LEGAL DESCRIPTION: On State Highway in San Mateo County in Moss Beach on Route 1 from 0.2 Mile South Cypress Avenue to 0.1 Mile North of 16th Street.
DETAILED WORK DESCRIPTION: Construct bicycle, pedestrian, and intersection improvements on SR 1 between Cypress Avenue to north of 16th Street.
CONSTRUCTION COST ESTIMATE: \$40,250,000
PROJECT PHASE: PSR/PDS <input checked="" type="checkbox"/> PR <input type="checkbox"/> PS&E <input type="checkbox"/> _____%

**Traffic Impact Descriptions**

A) Does the proposed project includes long term closures ( > 24 hours)

Yes X No \_\_\_\_\_

[If "No", Continue to Item D (Preliminary TMP Elements and Costs.). If "Yes", Check Applicable Facilities.]

- Freeway Lanes
- Freeway Shoulder
- Freeway Connectors
- Freeway Off-ramps
- Freeway On-ramps
- Local Streets
- Full Freeway Closures

B) Are there any construction strategies that can restore existing number of lanes?  
 (Check Applicable Strategies)

- Temporary Roadway Widening Structure Involvement? Yes\_\_\_No\_x\_\_\_  
 (If yes, notify Project Manager)
- Lane Restriping (Temporary Narrow Lane Widths) Yes\_\_\_ No\_x\_\_\_
- Roadway Realignment (Detour Around Work Area)
- Median and/or Right Shoulder Utilization
- Use of an HOV lane as a Temporary Mixed Flow Lane
- Staging Alternatives (Explain Below)





- b. Freeway Service Patrol \$ \_\_\_\_\_
- c. Traffic Management Team \$ \_\_\_\_\_
- d. New CCTVs and Detectors \$ \_\_\_\_\_
- e. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ 43,800**

4. Construction Strategies (In Addition to Elements Identified on Item B)

- a. Off Peak/Night/Weekend Work \$ 10,000  
(Lane Closure Charts)
- b. Reversible Lanes \$ \_\_\_\_\_
- c. Total Facility Closure \$ \_\_\_\_\_
- d. Extended Weekend Closure \$ \_\_\_\_\_
- e. Truck Traffic Restrictions \$ \_\_\_\_\_
- f. Reduced Speed Zone \$ 3,000
- g. Connector and Ramp Closures \$ \_\_\_\_\_
- h. Incentive and Disincentive \$ \_\_\_\_\_
- i. Moveable Barrier \$ \_\_\_\_\_
- j. Maintain Traffic \$ 43,800

SUB TOTAL **\$ 56,800**

5. Demand Management

- a. HOV Lanes/Ramps (New or Convert) \$ \_\_\_\_\_
- b. Park and Ride Lots \$ \_\_\_\_\_
- c. Rideshare Incentives \$ \_\_\_\_\_
- d. Variable Work Hours \$ \_\_\_\_\_
- e. Telecommute \$ \_\_\_\_\_
- f. Ramp Metering (New Installation) \$ \_\_\_\_\_
- g. Ramp Metering (Maintain Existing) \$ \_\_\_\_\_
- h. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

6. Alternate Route Strategies

- a. Add Capacity to Freeway Connector \$ \_\_\_\_\_
- b. Street Improvement \$ \_\_\_\_\_  
(widening, traffic signal, etc)
- c. Traffic Control Officers \$ \_\_\_\_\_
- d. Parking Restrictions \$ \_\_\_\_\_
- e. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

7. Other Strategies

- a. Application of New Technology \$ \_\_\_\_\_
- b. Others \_\_\_\_\_ \$ \_\_\_\_\_

SUB TOTAL **\$ \_\_\_\_\_**

8. The Project includes the following: (Check applicable type of facility closures)
- a. Highway or Freeway Lanes
  - b. Highway or Freeway Shoulders
  - c. Full Freeway Closure
  - d. Freeway On/Off-Ramps
  - e. Freeway Connectors
  - f. Local Streets
  - g. Prolonged Ramp Closures

9. Major operations requiring traffic control and working days for each

<u>Operation</u>	<u># of Working Days</u>	<u># of Traffic Control Days</u>
<input checked="" type="checkbox"/> a. Clearing and Grubbing	5	5
<input type="checkbox"/> b. Existing Feature Removal	_____	_____
<input type="checkbox"/> c. Excavation of Embankments Construction	_____	_____
<input checked="" type="checkbox"/> d. Structural Section Construction	60	24
<input checked="" type="checkbox"/> e. Drainage Feature Construction	50	15
<input checked="" type="checkbox"/> f. Structures Construction	40	6
<input type="checkbox"/> g. MGS/Barrier Construction	_____	_____
<input checked="" type="checkbox"/> h. Striping	15	13
<input checked="" type="checkbox"/> i. Electrical Component Construction	50	10
<input type="checkbox"/> j. Other	_____	_____
Total days	220*	73

**TOTAL ESTIMATED COST OF TMP ELEMENTS** = \$ 158,400

**Notes :** Extensive TMP may be required for the significant impacts.

\*Concurrent construction activities

PREPARED BY (Consultant)

Marco Baez  
Marco Baez (Dec 5, 2023 17:20 PST)  
DATE 12/5/2023  
Marco Baez

APPROVAL RECOMMENDED BY

(Caltrans Oversight Engineer) Mimy Hew DATE 12/7/2023  
Mimy Hew

APPROVED BY (TMP Office) Lance Hall DATE 12/7/23  
Lance Hall











# 0Y780K Attachment N - TMPDS Signature Request

Final Audit Report


2023-12-08

Created:	2023-12-06
By:	Jiahui Wu (s145511@dot.ca.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAInxi9fgzrtn_Ehs6Tcx4IWOZdRgICvRN

## "0Y780K Attachment N - TMPDS Signature Request" History

-  Document created by Jiahui Wu (s145511@dot.ca.gov)  
2023-12-06 - 1:14:19 AM GMT
-  Document emailed to marco.baez@aecom.com for signature  
2023-12-06 - 1:16:54 AM GMT
-  Email viewed by marco.baez@aecom.com  
2023-12-06 - 1:18:26 AM GMT
-  Signer marco.baez@aecom.com entered name at signing as Marco Baez  
2023-12-06 - 1:20:26 AM GMT
-  Document e-signed by Marco Baez (marco.baez@aecom.com)  
Signature Date: 2023-12-06 - 1:20:28 AM GMT - Time Source: server
-  Document emailed to Mimy Hew (mimy.hew@dot.ca.gov) for signature  
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-  Email viewed by Mimy Hew (mimy.hew@dot.ca.gov)  
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-  Document e-signed by Mimy Hew (mimy.hew@dot.ca.gov)  
Signature Date: 2023-12-07 - 5:24:50 PM GMT - Time Source: server
-  Document emailed to Lance Hall (lance.d.hall@dot.ca.gov) for signature  
2023-12-07 - 5:24:52 PM GMT
-  Email viewed by Lance Hall (lance.d.hall@dot.ca.gov)  
2023-12-08 - 2:06:18 AM GMT



 Document e-signed by Lance Hall (lance.d.hall@dot.ca.gov)

Signature Date: 2023-12-08 - 2:08:25 AM GMT - Time Source: server

 Agreement completed.

2023-12-08 - 2:08:25 AM GMT



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Acrobat Sign

Attachment – O

Complete Streets Decision Document

## Complete Streets Decision Document (CSDD)

- 1) Is the project located entirely on a facility where bicyclists and pedestrians are legally prohibited and the project does not involve a shared use path, pedestrian/bicycle structure or work impacting a local road crossing or interchange? (For example, a project including freeway mainline and ramp work, not including the ramp connection with the minor road, where the project freeway segment legally prohibits bicyclists and pedestrians.)

NO - Proceed to Question 2

YES - Stop here. The project is exempt from further complete streets evaluation. Sign and attach to the Project Initiation Document (PID).

- 2) Is the primary project purpose to address assets that are outside of the roadbed where pedestrian and bicycle travel is not affected, and proposed project will not affect future pedestrian and bicycle facilities? Examples may include culvert outfalls, storm water treatment facilities, bridge substructure or scour mitigation, planting or vegetation removal, retaining walls, etc.

NO - Continue to Question 3

YES - Stop here. The project is exempt from further complete streets evaluation. Sign and attach to PID.

- 3) Has a Transportation Planning Scoping Information Sheet (TPSIS) been completed for this project?

NO – Proceed to Question 4

YES – Skip to Question 5 (Note: TPSIS is attached to the PID)

- 4) Which of the following planning documents were consulted to determine bicycle, pedestrian or transit needs? Select all that apply and proceed to Question 5.

a. District Active Transportation Plan

b. Other Caltrans or local/regional agency bike/ped/transit/safe routes to school plans

c. ADA Transition Plan/Grievances (consult with the District ADA Coordinator)

d. Corridor planning documents

e. Other (list here) \_\_\_\_\_

- 5) Based on the reviews completed in Question 4 or identified in the TPSIS, after a review of the roadway geometrics, or identified by the PDT, are there any bicycle, pedestrian, or transit needs, deficiencies or opportunities for improvement identified for the project location?

NO – Provide brief description of findings: \_\_\_\_\_  
Stop here. The project meets the requirements for consideration of Complete Streets elements.  
Sign and attach to the PID.

YES – Describe them here and proceed to Question 6: Connect the Coastside: The San Mateo County Midcoast Comprehensive Transportation Plan (2022) identifies the need to increase multimodal mobility, connectivity, and improve safety along SR 1. The Plan recommends installing sidewalks in front of businesses/residences fronting SR 1 from Marine Blvd to California Ave; adding Class II bike lanes on SR 1 throughout project area; adding a Class 1 path on the east side of SR 1 from Marine Blvd to Etheldore St; and adding new pedestrian crossings of SR 1 with adequate safety infrastructure to address high travel speeds. The Plan also recommends improving bus stops to meet ADA standards along with amenities, such as benches, shelters, and lighting, to increase transit rider comfort.

- 6) Based on the needs identified in Question 5, what would be the preferred complete streets elements to address those needs (e.g. road diet, separated bikeway, reconstructed sidewalk, etc.)? Resources include the Complete Streets Elements Toolbox, the Contextual Guidance for Bikeway Facility Selection, the Bikeway Facility Selection Guidance Memorandum, etc. List them in the table below and provide a rough estimated cost to construct preferred project complete streets elements (including right-of-way and support costs) and proceed to Question 7.

FACILITY TYPE	UNIT	QUANTITY	ESTIMATED TOTAL COST
<i>Multimodal Trail</i>	<i>LF</i>	<i>2,340</i>	<i>\$ 300,000</i>
<i>Class II bikeway</i>	<i>LF</i>	<i>10,600</i>	<i>\$ 225,000</i>
<i>ADA-related elements</i>	<i>LS</i>	<i>1</i>	<i>\$ 60,000</i>
<i>High visibility crosswalk</i>	<i>LF</i>	<i>1285</i>	<i>\$ 103,000</i>
<i>Signs</i>	<i>EA</i>	<i>41</i>	<i>\$ 14,350</i>
<i>Pedestrian-actuated beacons</i>	<i>EA</i>	<i>9</i>	<i>\$ 75,000</i>
<i>Bus stops Improvements</i>	<i>EA</i>	<i>3</i>	<i>\$ 60,000</i>
<i>Reconstruct sidewalk/Demolition</i>	<i>LF</i>	<i>205</i>	<i>\$ 41,000</i>
<i>New Sidewalk</i>	<i>LF</i>	<i>4,100</i>	<i>\$ 820,000</i>

- 7) Was there any known public and stakeholder opposition to any preferred complete streets elements identified for the project? Provide response and proceed to Question 8.

NO  
 YES – Describe the opposition position here: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- 8) Does the programmable project alternative/project scope include all the complete streets elements identified in Question 6?

NO - Proceed to Question 9  
 YES - Stop here. The project has met the requirements for consideration of complete streets elements. Sign and attach to PID.

- 9) Does the project include any of the complete streets elements that are identified in Question 6? Or are there any proposed incremental improvements related to the complete streets elements in Question 6? Provide response and proceed to Question 10.

NO – The programmable project alternative does not include any complete streets elements, and therefore does not address identified needs for complete streets elements.  
 YES – List them here:

FACILITY TYPE	UNIT	QUANTITY	ESTIMATED TOTAL COST
	<i>LS</i>		<i>\$</i>
	<i>SF</i>		<i>\$</i>
	<i>LS</i>		<i>\$</i>
	<i>LS</i>		<i>\$</i>



10) Does the project funding have constraints that would preclude the ability to incorporate additional complete streets elements into the project (For example, cannot combine funding with other sources.)? Provide response and proceed to Question 11.

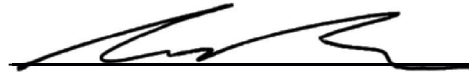
       NO  
       YES – Describe the constraints here: \_\_\_\_\_

11) Provide a rationale and justification for not including all the recommended complete streets elements into the project: (Consider the engineering justification, right-of-way constraints, environmental impacts, etc.). \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_


Prepared by:

Marco Baez                      AECOM  
Name, PID Preparer in responsible charge  
Branch/Company

Concurred by:

  
\_\_\_\_\_  
Sergio Ruiz  
District Complete Streets Coordinator

1/2/2024  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Celia McCuaig  
Acting Deputy District Director,  
Planning

2/13/2024  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Robert Effinger  
Acting Deputy District Director, Design

02/16/2024  
\_\_\_\_\_  
Date

David Ambuehl  
\_\_\_\_\_  
FOR Dina El-Tawansy  
District Director

02/28/2024  
\_\_\_\_\_  
Date

**Revalidation of CSDD at PA&ED**

Does the project scope defined in the project approval document include the complete streets elements identified in Question 6 or 9 of this CSDD and the PID?

\_\_\_\_\_ NO – Prepare a Superseding CSDD (answer Questions 1 through 11) replacing the original CSDD, obtain all certified and concurrence signatures below, and attach the superseding CSDD to the project approval document. Email superseding CSDD to HQ Division of Design at CSDD@dot.ca.gov.

\_\_\_\_\_ YES – Certify there are no changes to the scope of complete streets elements with only the project engineer certification signature below on the original approved CSDD and attach the CSDD to the project approval document. Email revalidated CSDD to HQ Division of Design at CSDD@dot.ca.gov.

Certified by:

_____ Name, Project Engineer Branch/Company	_____ Date
---	---------------

Concurred by: *(Include concurrence signatures only if a Superseding CSDD is prepared.)*

_____ Name District Complete Streets Coordinator	_____ Date
--	---------------

_____ Name Deputy District Director, Planning	_____ Date
---	---------------

_____ Name Deputy District Director, Design or Division Chief, Design/Project Development	_____ Date
--	---------------

_____ Name District Director	_____ Date
------------------------------------	---------------

**Revalidation of CSDD at PS&E**

Does the project scope designed in the plans, specifications and estimate include the complete streets elements identified in Question 6 or 9 of the CSDD (or Superseding CSDD, if applicable) certified at the PA&ED revalidation and the project approval document?

\_\_\_\_\_ NO – Prepare a Superseding CSDD (answer Questions 1 through 11) replacing the CSDD that was approved at PA&ED revalidation, obtain all certified and concurrence signatures below, and attach to the Supplemental PR. If a Supplemental PR is not required, place in the project history file. Email superseding CSDD to HQ Division of Design at CSDD@dot.ca.gov.

\_\_\_\_\_ YES – Certify there are no changes to scope of complete streets elements in the project, and that temporary bike and pedestrian facilities during construction have been considered. Include only the project engineer certification signature below on the CSDD that was approved at PA&ED revalidation and place the CSDD in the project history file. Email revalidated CSDD to HQ Division of Design at CSDD@dot.ca.gov.

Certified by:

\_\_\_\_\_  
Name, Project Engineer  
Branch/Company

\_\_\_\_\_  
Date

Concurred by: *(Include concurrence signatures only if a Superseding CSDD is prepared.)*

\_\_\_\_\_  
Name  
District Complete Streets Coordinator

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name  
Deputy District Director, Planning

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name  
Deputy District Director, Design or  
Division Chief, Design/Project Development

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name  
District Director

\_\_\_\_\_  
Date

## Attachment – P

K Phase Conceptual Cost Estimate Form-Right of Way

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY****K PHASE CONCEPTUAL COST ESTIMATE FORM - RIGHT OF WAY****\*\*A RIGHT OF WAY DATA SHEET WILL NEED TO BE COMPLETED  
FOR SUBSEQUENT PHASES\*\***

To: \_\_\_\_\_ Date: 8/23/2023  
 (REQUESTING DIVISION)  
 \_\_\_\_\_  
 (NAME OF REQUESTOR)

Dist-Co-Rte-PM: SM-1 PM R34.8/R35.9  
 Project ID/EA: 0422000339/EA 0Y780K  
 Alternative #: 1

From: \_\_\_\_\_  
 RIGHT OF WAY  
 (Estimator)

\_\_\_\_\_  
 RIGHT OF WAY  
 (Estimating Senior)

The Conceptual Cost Estimate Request was received for the above-referenced project on (8-23-2023) with a requested completion date of (requested completion date).

**Scope of the Right of Way****Build Alternative 1:**

Description of Required Right of Way: Permanent right-of-way acquisition is required to construct a roundabout at Cypress Avenue, California Avenue, and a signalized intersection at 16<sup>th</sup> Street. Permanent easement is required for construction of new soil nail type retaining walls and the relocation of existing electrical overhead lines at 16<sup>th</sup> Street.

Right of Way Required:  Yes  No  
 Number of Total Parcels:  1-10  11-25  26-50  51-100  >100

**Right of Way Requirements**

Number of Fee Parcels 9 Total Fee Area 41,844 SQFT  
 Number of Permanent Easements 5 Total Permanent Easement Area 20,618 SQFT  
 Number of Temporary Easements \_\_\_\_\_ Total Temporary Easement Area \_\_\_\_\_  
 Length of Term Required for Temporary Easements \_\_\_\_\_  
 Number of Excess Parcels/Other \_\_\_\_\_

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

USA Lands:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
BIA Lands:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
Displaced Persons/Businesses:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Displacees _____
Demolition/Clearance Required:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Demos _____
Railroad Involvement:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
C&M Agreement Needed:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
Utility Involvement:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Utilities in Area <u>  5  </u>
UT Relocations Anticipated:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Potholing Needed:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Project Public Meetings:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Meetings <u>  TBD  </u>
Permits To Enter ENV/ENG:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Permits _____
Environmental Mitigation:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Type _____
Outdoor Advertising Signs:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Unknown	Number of Signs _____

**Cost Estimates**

Estimate reflects Right of Way only and does not include any capital costs for Right of Way Engineering/Land Surveys.

<u>Capital Costs - Phase 9</u>	<input type="checkbox"/> \$0-\$100,000	<input checked="" type="checkbox"/> \$2,500,001-\$5,000,000
	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

<u>Capital Costs – Phase 4</u>	<input type="checkbox"/> \$0-\$100,000	<input type="checkbox"/> \$2,500,001-\$5,000,000
	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input checked="" type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

Phase 9 - Recommended R/W Capital Cost for Programming

\$   3,347,520  

Phase 4 - Recommended R/W Capital Cost for Programming

\$   1,720,300

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

Estimate reflects Right of Way only and does not include any support costs for Right of Way Engineering/Land Surveys.

Phase 0 Support Costs \$ 3,441,000  
(PA&ED)

Tasks: 100.10, 160.10, 160.30,  
165.10, 170.10, 170.15, 170.25,  
175.10, 180.05, 180.10

<u>Phase 1 Support Costs (PS&amp;E)</u>	<input type="checkbox"/> \$0-\$100,000	<input checked="" type="checkbox"/> \$2,500,001-\$5,000,000
Tasks: 100.15, 185.05, 185.20,	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
185.25, 205.10, 205.15, 205.25,	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
235.05, 235.10, 255	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

<u>Phase 2 Support Costs (RW)</u>	<input type="checkbox"/> \$0-\$100,000	<input type="checkbox"/> \$2,500,001-\$5,000,000
Tasks: 100.25, 195.40, 195.45,	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
200.15, 200.20, 200.25, 200.30,	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
225.50, 225.60, 225.65, 225.70,	<input checked="" type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
225.75, 225.80, 245.50, 245.60,	<input type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000
245.65, 245.70, 245.75, 245.80		

<u>Phase 3 Support Costs (CON)</u>	<input type="checkbox"/> \$0-\$100,000	<input checked="" type="checkbox"/> \$2,500,001-\$5,000,000
Tasks: 270.25, 285	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

**Schedule**

Right of Way will require a minimum of 18 months to deliver a Right of Way Certification once final right of way requirements and mapping have been received, necessary environmental clearances have been obtained, and required freeway agreements have been approved. This schedule is based on a Right of Way Certification #1 with an anticipated cert date of 01/2028.

**Areas of Concern**

Potential areas of concern are noted below:

*(Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted [i.e., junkyards, cemeteries, utility towers, etc.]*

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

**Assumptions and Limiting Conditions**

This estimate is based on the following assumptions and limiting conditions and documented project risks:

The Scope of the Right of Way analysis includes applicable:

- Acquisition Costs (including any Excess Lands, Damages, Mitigation, etc.)
- Utility Relocation
- Railroad Involvement
- Relocation Assistance
- Clearance/Demolition
- Permits
- Title and Escrow Fees
- Construction Contract Work

Capital Costs are based on eminent domain estimating and appraisal methodologies and current market information. Support Costs are based on district workload estimating tools and historical data from previous similar projects.

Escalation and Contingency Rates were applied based on the proposed project schedule and previous district experience to account for changes in market conditions and other unanticipated project-related costs.

Check as applicable:

- A field review was not performed as part of this estimate.
- Mapping received did not provide sufficient detail to determine the limits of the right of way requirements and/or to determine damages to the remainder parcels impacted by the project.
- Additional right of way requirements may be anticipated but are not defined due to the preliminary nature of the early design requirements.
- We have determined that there are no right of way functional involvements in the proposed project at this time as currently designed.
- Utility lead time begins after PA&ED is met and we have received conflict maps.
- Right of Way certification is at risk. The current schedule does not provide Right of Way with sufficient lead time.

*(Provide a description of any other specific assumptions and limiting conditions. Also document all known risks to future cost, scope, schedule or changes in performance for inclusion in the project Risk Register.)*

**Contact**

For further information regarding this estimate, please contact person below:

Title: Marco Baez  
Phone Number: 408-961-8421

**Attachment(s)**

- 1)
- 2)



**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

EXHIBIT  
4-EX-8 (REV 1/2019)  
INSTRUCTIONS

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**INSTRUCTIONS FOR COMPLETING THE K PHASE CONCEPTUAL COST ESTIMATE FORM**

The form should be completed in its entirety with the best information available.

**Scope of the Right of Way**

- Description of Required Right of Way - *Provide a brief description of the required right of way in general including location attributes, etc.*
- Right of Way Required - *Confirmation of Right of Way involvement - includes any deliverable required for the right of way component.*
- Number of Parcels - *Estimated quantity of all parcels needed for the project.*
- Right of Way Requirements - *Total land area for fee and easement requirements.*
- RAP Displacements - *Determine if persons and/or businesses will be displaced by the project.*
- Demolition and Clearance - *Determine if structures/improvements will need to be cleared.*
- Railroad Involvement - *Determine if railroad interests are involved.*
- Utility Involvement - *Determine if utilities are involved and note number of utilities in area.*

**Cost Estimates**

- Capital Outlay Costs - The capital costs are represented as a reliable range of cost estimates for future Capital Phases (RW, CON) based on the estimated capital costs related to parcels, utilities, railroad involvement, etc.
- Capital Outlay Support Costs - The support costs are represented as a reliable accurate/most probable support estimate to program/allocate the PA&ED phase (i.e., estimating, assistance with environmental permits [Permits to Enter and Rights of Entry], and preliminary railroad and/or utilities work) and a reliable range of cost for future Support phases (PS&E, RW, CON) based on Right of Way involvement.
- Recommended Capital Cost for Programming. Once an anticipated RW cost range is estimated a cost within that range shall be listed as the recommended amount for Programming. (Careful analysis of the limiting conditions, assumptions, areas of concern, risks, etc. should occur to support a recommended programming amount in the higher or lower part of the range).

**Schedule**

The schedule assumes a Right of Way Certification #1.

**Areas of Concern**

The areas of concern identify areas in close proximity to the project that could result in major increases to the cost, scope, or schedule of delivering the Right of Way component if impacted.

**Assumptions and Limiting Conditions**

Provide the assumptions and limiting conditions used in the preparation of this estimate.

**Risks**

Document all known risks to future cost, scope, schedule or changes in performance for inclusion in the project Risk Register. Monetize key risks when known for inclusion in the risk register.

**Contact** - The preparer will include his or her name and telephone number.

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**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY****K PHASE CONCEPTUAL COST ESTIMATE FORM - RIGHT OF WAY****\*\*A RIGHT OF WAY DATA SHEET WILL NEED TO BE COMPLETED  
FOR SUBSEQUENT PHASES\*\***

To: \_\_\_\_\_ Date: 8/23/2023  
 (REQUESTING DIVISION)  
 \_\_\_\_\_  
 (NAME OF REQUESTOR)

Dist-Co-Rte-PM: SM-1 PM R34.8/R35.9  
 Project ID/EA: 0422000339/EA 0Y780K  
 Alternative #: 2

From: \_\_\_\_\_  
 RIGHT OF WAY  
 (Estimator)

\_\_\_\_\_  
 RIGHT OF WAY  
 (Estimating Senior)

The Conceptual Cost Estimate Request was received for the above-referenced project on (8/23/2023) with a requested completion date of (requested completion date).

**Scope of the Right of Way****Build Alternative 2:**

Description of Required Right of Way: Permanent right-of-way acquisition is required to construct a signalized intersection at Cypress Avenue, California Avenue, and 16<sup>th</sup> Street. Permanent easement is also required for construction of new soil nail type retaining walls at 16 Street.

Right of Way Required:  Yes  No  
 Number of Total Parcels:  1-10  11-25  26-50  51-100  >100

**Right of Way Requirements**

Number of Fee Parcels 5 Total Fee Area 15,430 SQFT  
 Number of Permanent Easements 5 Total Permanent Easement Area 20,909 SQFT  
 Number of Temporary Easements \_\_\_\_\_ Total Temporary Easement Area \_\_\_\_\_  
 Length of Term Required for Temporary Easements \_\_\_\_\_  
 Number of Excess Parcels/Other \_\_\_\_\_

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

USA Lands:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
BIA Lands:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
Displaced Persons/Businesses:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Displacees _____
Demolition/Clearance Required:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Demos _____
Railroad Involvement:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
C&M Agreement Needed:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	
Utility Involvement:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Utilities in Area <u>  5  </u>
UT Relocations Anticipated:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Potholing Needed:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Project Public Meetings:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Meetings <u>  TBD  </u>
Permits To Enter ENV/ENG:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Number of Permits _____
Environmental Mitigation:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Type _____
Outdoor Advertising Signs:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Unknown	Number of Signs _____

**Cost Estimates**

Estimate reflects Right of Way only and does not include any capital costs for Right of Way Engineering/Land Surveys.

<u>Capital Costs - Phase 9</u>	<input type="checkbox"/> \$0-\$100,000	<input type="checkbox"/> \$2,500,001-\$5,000,000
	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input checked="" type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

<u>Capital Costs – Phase 4</u>	<input type="checkbox"/> \$0-\$100,000	<input type="checkbox"/> \$2,500,001-\$5,000,000
	<input type="checkbox"/> \$100,001-\$250,000	<input type="checkbox"/> \$5,000,001-\$10,000,000
	<input type="checkbox"/> \$250,001-\$500,000	<input type="checkbox"/> \$10,000,001-\$25,000,000
	<input type="checkbox"/> \$500,001-\$1,000,000	<input type="checkbox"/> \$25,000,001-\$100,000,000
	<input checked="" type="checkbox"/> \$1,000,001-\$2,500,000	<input type="checkbox"/> >\$100,000,000

Phase 9 - Recommended R/W Capital Cost for Programming

\$       1,234,400      

Phase 4 - Recommended R/W Capital Cost for Programming

\$       1,711,700

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

Estimate reflects Right of Way only and does not include any support costs for Right of Way Engineering/Land Surveys.

Phase 0 Support Costs  
(PA&ED)

\$ 3,424,000

Tasks: 100.10, 160.10, 160.30,  
165.10, 170.10, 170.15, 170.25,  
175.10, 180.05, 180.10

Phase 1 Support Costs (PS&E)

Tasks: 100.15, 185.05, 185.20,  
185.25, 205.10, 205.15, 205.25,  
235.05, 235.10, 255

- |  |   |
|--|---|
| <input type="checkbox"/> \$0-\$100,000           | <input checked="" type="checkbox"/> \$2,500,001-\$5,000,000 |
| <input type="checkbox"/> \$100,001-\$250,000     | <input type="checkbox"/> \$5,000,001-\$10,000,000           |
| <input type="checkbox"/> \$250,001-\$500,000     | <input type="checkbox"/> \$10,000,001-\$25,000,000          |
| <input type="checkbox"/> \$500,001-\$1,000,000   | <input type="checkbox"/> \$25,000,001-\$100,000,000         |
| <input type="checkbox"/> \$1,000,001-\$2,500,000 | <input type="checkbox"/> >\$100,000,000                     |

Phase 2 Support Costs (RW)

Tasks: 100.25, 195.40, 195.45,  
200.15, 200.20, 200.25, 200.30,  
225.50, 225.60, 225.65, 225.70,  
225.75, 225.80, 245.50, 245.60,  
245.65, 245.70, 245.75, 245.80

- |   |   |
|---|---|
| <input type="checkbox"/> \$0-\$100,000                    | <input type="checkbox"/> \$2,500,001-\$5,000,000    |
| <input type="checkbox"/> \$100,001-\$250,000              | <input type="checkbox"/> \$5,000,001-\$10,000,000   |
| <input type="checkbox"/> \$250,001-\$500,000              | <input type="checkbox"/> \$10,000,001-\$25,000,000  |
| <input checked="" type="checkbox"/> \$500,001-\$1,000,000 | <input type="checkbox"/> \$25,000,001-\$100,000,000 |
| <input type="checkbox"/> \$1,000,001-\$2,500,000          | <input type="checkbox"/> >\$100,000,000             |

Phase 3 Support Costs (CON)

Tasks: 270.25, 285

- |  |   |
|--|---|
| <input type="checkbox"/> \$0-\$100,000           | <input checked="" type="checkbox"/> \$2,500,001-\$5,000,000 |
| <input type="checkbox"/> \$100,001-\$250,000     | <input type="checkbox"/> \$5,000,001-\$10,000,000           |
| <input type="checkbox"/> \$250,001-\$500,000     | <input type="checkbox"/> \$10,000,001-\$25,000,000          |
| <input type="checkbox"/> \$500,001-\$1,000,000   | <input type="checkbox"/> \$25,000,001-\$100,000,000         |
| <input type="checkbox"/> \$1,000,001-\$2,500,000 | <input type="checkbox"/> >\$100,000,000                     |

**Schedule**

Right of Way will require a minimum of 18 months to deliver a Right of Way Certification once final right of way requirements and mapping have been received, necessary environmental clearances have been obtained, and required freeway agreements have been approved. This schedule is based on a Right of Way Certification #1 with an anticipated cert date of 01/2028.

**Areas of Concern**

Potential areas of concern are noted below:

*(Provide a description of areas in close proximity to the project footprint that are likely to result in complex right of way issues if impacted [i.e., junkyards, cemeteries, utility towers, etc.]*

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

**Assumptions and Limiting Conditions**

This estimate is based on the following assumptions and limiting conditions and documented project risks:

The Scope of the Right of Way analysis includes applicable:

- Acquisition Costs (including any Excess Lands, Damages, Mitigation, etc.)
- Utility Relocation
- Railroad Involvement
- Relocation Assistance
- Clearance/Demolition
- Permits
- Title and Escrow Fees
- Construction Contract Work

Capital Costs are based on eminent domain estimating and appraisal methodologies and current market information. Support Costs are based on district workload estimating tools and historical data from previous similar projects.

Escalation and Contingency Rates were applied based on the proposed project schedule and previous district experience to account for changes in market conditions and other unanticipated project-related costs.

Check as applicable:

- A field review was not performed as part of this estimate.
- Mapping received did not provide sufficient detail to determine the limits of the right of way requirements and/or to determine damages to the remainder parcels impacted by the project.
- Additional right of way requirements may be anticipated but are not defined due to the preliminary nature of the early design requirements.
- We have determined that there are no right of way functional involvements in the proposed project at this time as currently designed.
- Utility lead time begins after PA&ED is met and we have received conflict maps.
- Right of Way certification is at risk. The current schedule does not provide Right of Way with sufficient lead time.

*(Provide a description of any other specific assumptions and limiting conditions. Also document all known risks to future cost, scope, schedule or changes in performance for inclusion in the project Risk Register.)*

**Contact**

For further information regarding this estimate, please contact person below:

Title: Marco Baez  
Phone Number: 408-961-8421

**Attachment(s)**

- 1)
- 2)

**K PHASE CONCEPTUAL COST ESTIMATE FORM -  
RIGHT OF WAY (Cont.)**

EXHIBIT  
4-EX-8 (REV 1/2019)  
INSTRUCTIONS

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**INSTRUCTIONS FOR COMPLETING THE K PHASE CONCEPTUAL COST ESTIMATE FORM**

The form should be completed in its entirety with the best information available.

**Scope of the Right of Way**

- Description of Required Right of Way - *Provide a brief description of the required right of way in general including location attributes, etc.*
- Right of Way Required - *Confirmation of Right of Way involvement - includes any deliverable required for the right of way component.*
- Number of Parcels - *Estimated quantity of all parcels needed for the project.*
- Right of Way Requirements - *Total land area for fee and easement requirements.*
- RAP Displacements - *Determine if persons and/or businesses will be displaced by the project.*
- Demolition and Clearance - *Determine if structures/improvements will need to be cleared.*
- Railroad Involvement - *Determine if railroad interests are involved.*
- Utility Involvement - *Determine if utilities are involved and note number of utilities in area.*

**Cost Estimates**

- Capital Outlay Costs - The capital costs are represented as a reliable range of cost estimates for future Capital Phases (RW, CON) based on the estimated capital costs related to parcels, utilities, railroad involvement, etc.
- Capital Outlay Support Costs - The support costs are represented as a reliable accurate/most probable support estimate to program/allocate the PA&ED phase (i.e., estimating, assistance with environmental permits [Permits to Enter and Rights of Entry], and preliminary railroad and/or utilities work) and a reliable range of cost for future Support phases (PS&E, RW, CON) based on Right of Way involvement.
- Recommended Capital Cost for Programming. Once an anticipated RW cost range is estimated a cost within that range shall be listed as the recommended amount for Programming. (Careful analysis of the limiting conditions, assumptions, areas of concern, risks, etc. should occur to support a recommended programming amount in the higher or lower part of the range).

**Schedule**

The schedule assumes a Right of Way Certification #1.

**Areas of Concern**

The areas of concern identify areas in close proximity to the project that could result in major increases to the cost, scope, or schedule of delivering the Right of Way component if impacted.

**Assumptions and Limiting Conditions**

Provide the assumptions and limiting conditions used in the preparation of this estimate.

**Risks**

Document all known risks to future cost, scope, schedule or changes in performance for inclusion in the project Risk Register. Monetize key risks when known for inclusion in the risk register.

**Contact** - The preparer will include his or her name and telephone number.

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## Attachment – Q

### Vehicle-Miles Traveled Decision Document (VMTDD)

## Vehicle-Miles Traveled Decision Document (VMTDD)

Applicability: This form is required for PIDs prepared by Caltrans or partners, with the following project exceptions: active transportation, transit, and most SHOPP projects.[1] Projects that can clearly be screened as not likely to induce travel per Section 5.1.1 of Transportation Analysis Under CEQA may be circulated in the District for signature without headquarters concurrence. Otherwise, fill out the form and send it to Directors Office of Sustainability as a Word file. Add additional information as needed under each question. After review and agreement, e-signatures are required under Approval Recommended.

District/County/Route/PM: 04/SM/001/35.0-35.9

Project Name: Moss Beach State Route 1 Congestion & Safety Improvements Project

EA/EFIS Number: 04-0Y780

1) Are all project alternatives screened as not likely to induce travel per Section 5.1.1 of Transportation Analysis Under CEQA?

NO - Proceed to Question 2.

YES – Cite screening criterion(ia): \_\_\_\_\_

- Installation, removal, or reconfiguration of traffic lanes that are not for through traffic, such as left, right, and U-turn pockets, two-way left turn lanes, emergency truck pullovers, or emergency breakdown lanes that are not utilized as through lanes
- Installation, removal, or reconfiguration of traffic control devices, including Transit Signal Priority (TSP) features
- Installation of roundabouts or traffic circles
- Installation or reconfiguration of traffic calming devices
- Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way
- Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve non-motorized travel

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Stop here. The project is exempt from further VMT evaluation. Obtain district-level signatures and attach to the Project Initiation Document (PID). No headquarters concurrence is needed.

2) Do any of the project alternatives add lane-miles (mainline or aux lanes greater than 1 mile) to the State Highway System?

NO - Continue to Question 3.

YES – Provide estimate of new lane-miles for all alternatives and proceed to Question 4.

Alternative Number	Alternative Name	Lane-miles Added
1		



2		
3		
4		
5		
6		

3) Do any of the proposed alternatives add other capacity to the State Highway System (e.g., a new or widened interchange)?

- NO – Proceed to Question 4.
- YES – Describe and proceed to Question 4.

Alternative Number	Alternative Name	Capacity Added
1		
2		
3		
4		
5		
6		

4) Has induced VMT been estimated, as prescribed in Transportation Analysis Framework (TAF), Transportation Analysis Under CEQA (TAC), or other methods, for the project alternatives?

- NO – Proceed to Question 5.
- YES – Provide estimates and the methods from which they were obtained and proceed to Question 5.

Alternative Number	Alternative Name	VMT Estimate	Estimation Method
1			
2			
3			
4			
5			
6			

5) Have VMT-reducing project elements or mitigation measures been identified?

- NO – Proceed to Question 6
- YES – Describe and proceed to Question 6: \_\_\_\_\_

6) What is the budget for VMT mitigation? Provide the dollar figure and rationale.

7) Provide estimated completion dates and points of contacts for the following technical studies to be produced in PA&ED and submitted to HQ.

<b>Document</b>	<b>Contact name</b>	<b>Contact e-mail</b>	<b>Scheduled date</b>
VMT assessment methodology*			
Draft VMT assessment*			
Final VMT assessment*			
Mitigation plan			
Draft environmental document			
Final environmental document			

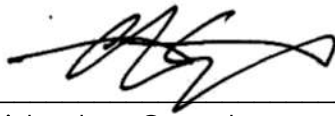
\* Submission not required for projects exclusively employing the NCST California Induced Travel Calculator, nor for projects located in counties outside of MPO boundaries.

**To Be Completed by HQ**

**Recommendation(s) to Project Development Teams (PDTs), Districts, and/or Partners**

Project screened as unlikely to induce VMT  YES  NO

Approved by:



\_\_\_\_\_  
Christopher Caputo  
Acting Deputy District Director,  
Environmental

12/6/2023

\_\_\_\_\_  
Date



\_\_\_\_\_  
Celia McCuaig  
Acting Deputy District Director,  
Planning

2/13/2024

\_\_\_\_\_  
Date

*David Ambuehl*

FOR

\_\_\_\_\_  
Dina El-Tawansy  
District Director

02/28/2024

\_\_\_\_\_  
Date

*Not Applicable*

\_\_\_\_\_  
Tony Dang  
Deputy Director, Sustainability

\_\_\_\_\_  
Date

Attachment – R DRAFT

COOP for PA&ED

## **COOPERATIVE AGREEMENT**

This AGREEMENT, executed on and effective from \_\_\_\_\_, is between the State of California, acting through its Department of Transportation, referred to as CALTRANS, and:

San Mateo County Transportation Authority, a public corporation/entity, referred to hereinafter as SMCTA.

An individual signatory agency in this AGREEMENT is referred to as a PARTY. Collectively, the signatory agencies in this AGREEMENT are referred to as PARTIES.

### **RECITALS**

1. PARTIES are authorized to enter into a cooperative agreement for improvements to the State Highway System per the California Streets and Highways Code, Sections 114 and 130.
2. For the purpose of this AGREEMENT, *the intersection and multimodal improvements on SR-1 between Cypress Avenue and 16<sup>th</sup> Street in San Mateo County* will be referred to hereinafter as PROJECT. The PROJECT scope of work is defined in the project initiation and approval documents (e.g. Project Study Report, Design Engineering Evaluation Report, or Project Report).
3. All obligations and responsibilities assigned in this AGREEMENT to complete the following PROJECT COMPONENT will be referred to hereinafter as WORK:
  - PROJECT APPROVAL AND ENVIRONMENTAL DOCUMENT (PA&ED)

Each PROJECT COMPONENT is defined in the CALTRANS Workplan Standards Guide as a distinct group of activities/products in the project planning and development process.

4. The term AGREEMENT, as used herein, includes this document and any attachments, exhibits, and amendments.

This AGREEMENT is separate from and does not modify or replace any other cooperative agreement or memorandum of understanding between the PARTIES regarding the PROJECT.

PARTIES intend this AGREEMENT to be their final expression that supersedes any oral understanding or writings pertaining to the WORK. The requirements of this AGREEMENT will preside over any conflicting requirements in any documents that are made an express part of this AGREEMENT.

If any provisions in this AGREEMENT are found by a court of competent jurisdiction to be, or are in fact, illegal, inoperative, or unenforceable, those provisions do not render any or all other AGREEMENT provisions invalid, inoperative, or unenforceable, and those provisions will be automatically severed from this AGREEMENT.

Except as otherwise provided in the AGREEMENT, PARTIES will execute a written amendment if there are any changes to the terms of this AGREEMENT.

PARTIES agree to sign a CLOSURE STATEMENT to terminate this AGREEMENT. However, all indemnification, document retention, audit, claims, environmental commitment, legal challenge, maintenance and ownership articles will remain in effect until terminated or modified in writing by mutual agreement or expire by the statute of limitations.

5. No PROJECT deliverables have been completed prior to this AGREEMENT.
6. In this AGREEMENT capitalized words represent defined terms, initialisms, or acronyms.
7. PARTIES hereby set forth the terms, covenants, and conditions of this AGREEMENT.

## **RESPONSIBILITIES**

### **Sponsorship**

8. A SPONSOR is responsible for establishing the scope of the PROJECT and securing the financial resources to fund the WORK. A SPONSOR is responsible for securing additional funds when necessary or implementing PROJECT changes to ensure the WORK can be completed with the funds committed in this AGREEMENT.

PROJECT changes, as described in the CALTRANS Project Development Procedures Manual, will be approved by CALTRANS as the owner/operator of the State Highway System.

9. SMCTA is the SPONSOR for the WORK in this AGREEMENT.

### **Implementing Agency**

10. The IMPLEMENTING AGENCY is the PARTY responsible for managing the scope, cost, schedule, and quality of the work activities and products of a PROJECT COMPONENT.

- SMCTA is the Project Approval and Environmental Document (PA&ED) IMPLEMENTING AGENCY.

PA&ED includes the completion of the Final Environmental Document and the Project Report (documenting the project alternative selection).

11. SMCTA will provide a Quality Management Plan (QMP) for the WORK in every PROJECT COMPONENT that they are implementing. The QMP describes the IMPLEMENTING AGENCY's quality policy and how it will be used. The QMP will include a process for resolving disputes between the PARTIES at the team level. The QMP is subject to CALTRANS review and concurrence.

12. Any PARTY responsible for completing WORK will make its personnel and consultants that prepare WORK available to help resolve WORK-related problems and changes for the entire duration of the PROJECT including PROJECT work that may occur under separate agreements.

### **Funding**

13. The WORK does not use funds administered by CALTRANS. PARTIES will amend this AGREEMENT should this condition change.

14. Each PARTY is responsible for the costs they incur in performing the WORK.

### **CALTRANS' Quality Management**

15. CALTRANS, as the owner/operator of the State Highway System (SHS), will perform quality management work including Quality Management Assessment (QMA), environmental document quality control, and owner/operator approvals for the portions of WORK within the existing and proposed SHS right-of-way.

16. CALTRANS' Quality Management Assessment (QMA) efforts are to ensure that SMCTA's quality assurance results in WORK that is in accordance with the applicable standards and the PROJECT's quality management plan (QMP). QMA does not include any efforts necessary to develop or deliver WORK or any validation by verifying or rechecking WORK.

When CALTRANS performs QMA, it does so for its own benefit. No one can assign liability to CALTRANS due to its QMA.



17. CALTRANS, as the owner/operator of the State Highway System, will approve WORK products in accordance with CALTRANS policies and guidance and as indicated in this AGREEMENT.
18. Per National Environmental Policy Act (NEPA) assignment and California Environmental Quality Act (CEQA) statutes, CALTRANS will perform environmental document quality control and NEPA assignment review procedures for environmental documentation. CALTRANS quality control and quality assurance procedures for all environmental documents are described in Chapter 38 of the Standard Environmental Reference (SER), available at <https://dot.ca.gov/programs/environmental-analysis/standard-environmental-reference-ser/volume-1-guidance-for-compliance/ch-38-nepa-assignment>. This also includes the independent judgment analysis and determination under CEQA that the environmental documentation meets CEQA requirements.
19. SMCTA will provide WORK-related products and supporting documentation upon CALTRANS' request for the purpose of CALTRANS' quality management work.
20. SMCTA, including any employee, agent, consultant or sub-consultant retained by the SMCTA, shall implement uniform document control policies necessary to retain all records and electronically stored information associated with the WORK, including but not limited to those records identified in California Public Resources Code, Section 21167.6, and including email and attachments, in a manner consistent with the CALTRANS Uniform Filing System and the "Final Caltrans Environmental Records Retention Policy", available at <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/ser/nepa-recordretention-policy-final-a11y.pdf>. These records, along with an index of the records, shall be provided to CALTRANS within 60 days of CALTRANS' written request.
21. The cost of CALTRANS' quality management work is to be borne by CALTRANS.

### **CEQA/NEPA Lead Agency**

22. CALTRANS is the CEQA Lead Agency for the PROJECT.
23. CALTRANS is the NEPA Lead Agency for the PROJECT.

### **Environmental Permits, Approvals and Agreements**

24. SMCTA will comply with the commitments and conditions set forth in the environmental documentation, environmental permits, approvals, and applicable agreements as those commitments and conditions apply to SMCTA's responsibilities in this AGREEMENT.

- 25. Unless otherwise assigned in this AGREEMENT, the IMPLEMENTING AGENCY for a PROJECT COMPONENT is responsible for all PROJECT COMPONENT WORK associated with coordinating, obtaining, implementing, renewing, and amending the PROJECT permits, agreements, and approvals whether they are identified in the planned project scope of work or become necessary in the course of completing the PROJECT.
- 26. It is expected that the PROJECT requires the following environmental permits/approvals:

<b>ENVIRONMENTAL PERMITS/REQUIREMENTS</b>
401, Regional Water Quality Control Board
404, US Army Corps of Engineers
National Pollutant Discharge Elimination System (NPDES), State Water Resources Control Board
1602 California Department of Fish and Wildlife
Federal Endangered Species Act Consultation

**Project Approval and Environmental Document (PA&ED)**

- 27. As the PA&ED IMPLEMENTING AGENCY, SMCTA is responsible for all PA&ED WORK except those activities and responsibilities that are assigned to another PARTY and those activities that are excluded under this AGREEMENT.

28. CALTRANS will be responsible for completing the following PA&ED activities:

CALTRANS Work Breakdown Structure Identifier (If Applicable)
100.10.10.xx Quality Management
165.15.15.xx Essential Fish Habitat Consultation
165.15.15.xx Section 7 Consultation
165.25.25 Approval to Circulate Resolution
175.20 Project Preferred Alternative
180.10.05.05.xx CEQA Lead Final Env. Doc QA/QC and Approval
180.10.05.45 Section 7 Consultation
180.15.05 Record of Decision (NEPA)
180.15.10 Notice of Determination (CEQA)

29. Any PARTY preparing environmental documentation, including studies and reports, will ensure that qualified personnel remain available to help resolve environmental issues and perform any necessary work to ensure that the PROJECT remains in environmental compliance.

30. SMCTA will provide written notice of the initiation of environmental studies to the CEQA and NEPA Lead Agencies prior to completing any other PA&ED phase work.

California Environmental Quality Act (CEQA)

31. Environmental documentation will be prepared in compliance with the California Public Resources Code §§ 21080.3.1(d)(e). CALTRANS will provide, and SMCTA will use, a letter template and a list of California Native American tribes requesting notification. SMCTA will prepare consultation documentation for CALTRANS’ signature and transmittal in compliance with the statutorily required time frames.

32. The CEQA Lead Agency will determine the type of CEQA documentation and will cause that documentation to be prepared in accordance with CEQA requirements.

33. Any PARTY involved in the preparation of CEQA documentation will prepare the documentation to meet CEQA requirements and follow the CEQA Lead Agency's standards that apply to the CEQA process.
34. Any PARTY preparing any portion of the CEQA documentation, including any studies and reports, will submit that portion of the documentation to the CEQA Lead Agency for review, comment, and approval at appropriate stages of development prior to public availability.
35. SMCTA will submit CEQA-related public notices to CALTRANS for review, comment, and approval prior to publication and circulation.
36. SMCTA will submit all CEQA-related public meeting materials to the CEQA Lead Agency for review, comment, and approval at least ten (10) working days prior to the public meeting date.

If the CEQA Lead Agency makes any changes to the materials, then the CEQA Lead Agency will allow SMCTA to review, comment, and concur on those changes at least three (3) working days prior to the public meeting date. The CEQA Lead Agency has final approval authority over all CEQA documentation.

37. The CEQA Lead Agency will attend all CEQA-related public meetings.
38. If a PARTY who is not the CEQA Lead Agency holds a public meeting about the PROJECT, that PARTY must clearly state its role in the PROJECT and the identity of the CEQA Lead Agency on all meeting publications. All meeting publications must also inform the attendees that public comments collected at the meetings are not part of the CEQA public review process.

That PARTY will submit all meeting advertisements, agendas, exhibits, handouts, and materials to the CEQA Lead Agency for review, comment, and approval at least ten (10) working days prior to publication or use. If that PARTY makes any changes to the materials, it will allow the CEQA Lead Agency to review, comment on, and approve those changes at least three (3) working days prior to the public meeting date.

The CEQA Lead Agency maintains final editorial control with respect to text or graphics that could lead to public confusion over CEQA-related roles and responsibilities.

National Environmental Policy Act (NEPA)

39. Pursuant to Chapter 3 of Title 23, United States Code, Sections 326 and 327, CALTRANS is the NEPA Lead Agency for the PROJECT. CALTRANS is responsible for NEPA compliance, will determine the type of NEPA documentation, and will cause that documentation to be prepared in accordance with NEPA requirements.

CALTRANS, as the NEPA Lead Agency for PROJECT, is responsible for the review, comment, and approval of all environmental documentation (including, but not limited to, studies, reports, public notices, and public meeting materials, determinations, administrative drafts, and final environmental documents) at appropriate stages of development prior to approval and public availability.

When required as NEPA Lead Agency, CALTRANS will conduct consultation and coordination and obtain, renew, or amend approvals pursuant to the Federal Endangered Species Act, and Essential Fish Habitat.

When required as NEPA Lead Agency, CALTRANS will conduct consultation and coordination approvals pursuant to Section 106 of the National Historic Preservation Act.

40. Any PARTY involved in the preparation of NEPA documentation will follow FHWA and CALTRANS standards that apply to the NEPA process including, but not limited to, the guidance provided in the FHWA Environmental Toolkit (available at <http://environment.fhwa.dot.gov/index.asp>) and the CALTRANS Standard Environmental Reference.
41. Any PARTY preparing any portion of the NEPA documentation (including, but not limited to, studies, reports, public notices, and public meeting materials, determinations, administrative drafts, and final environmental documents) will submit that portion of the documentation to CALTRANS for CALTRANS' review, comment, and approval prior to public availability.
42. SMCTA will prepare, publicize, and circulate all NEPA-related public notices, except Federal Register notices. SMCTA will submit all notices to CALTRANS for CALTRANS' review, comment, and approval prior to publication and circulation.
- CALTRANS will work with the appropriate federal agency to publish notices in the Federal Register.
43. The NEPA Lead Agency will attend all NEPA-related public meetings.
44. SMCTA will submit all NEPA-related public meeting materials to CALTRANS for CALTRANS' review, comment, and approval at least ten (10) working days prior to the public meeting date.

45. If a PARTY who is not the NEPA Lead Agency holds a public meeting about the PROJECT, that PARTY must clearly state its role in the PROJECT and the identity of the NEPA Lead Agency on all meeting publications. All meeting publications must also inform the attendees that public comments collected at the meetings are not part of the NEPA public review process.

That PARTY will submit all meeting advertisements, agendas, exhibits, handouts, and materials to the NEPA Lead Agency for review, comment, and approval at least ten (10) working days prior to publication or use. If that PARTY makes any changes to the materials, it will allow the NEPA Lead Agency to review, comment on, and approve those changes at least three (3) working days prior to the public meeting date.

The NEPA Lead Agency has final approval authority with respect to text or graphics that could lead to public confusion over NEPA-related roles and responsibilities.

46. SMCTA will ensure that the PROJECT is included in the approved Federal Statewide Transportation Improvement Program (FSTIP) prior to the NEPA Lead Agency's approval of the environmental document.

### **Schedule**

47. PARTIES will manage the WORK schedule to ensure the timely use of committed funds and to ensure compliance with any environmental permits, right-of-way agreements, construction contracts, and any other commitments. PARTIES will communicate schedule risks or changes as soon as they are identified and will actively manage and mitigate schedule risks.

## **Additional Provisions**

### *Standards*

48. PARTIES will perform all WORK in accordance with federal and California laws, regulations, and standards; Federal Highway Administration (FHWA) standards; and CALTRANS standards. CALTRANS standards include, but are not limited to, the guidance provided in the:

- CADD Users Manual
- CALTRANS policies and directives
- Plans Preparation Manual
- Project Development Procedures Manual (PDPM)
- Workplan Standards Guide
- Standard Environmental Reference
- Highway Design Manual
- Encroachment Permits Manual

### *Qualifications*

49. Each PARTY will ensure that personnel participating in WORK are appropriately qualified or licensed to perform the tasks assigned to them.

### *Consultant Selection*

50. SMCTA will invite CALTRANS to participate in the selection of any consultants that participate in the WORK.

### *Encroachment Permits*

51. CALTRANS will issue, upon proper application, the encroachment permits required for WORK within State Highway System (SHS) right-of-way. SMCTA, their contractors, consultants, agents, and utility owners will not work within the SHS right-of-way without an encroachment permit which specifically allows them to do so. CALTRANS will provide encroachment permits to SMCTA at no cost. CALTRANS will provide encroachment permits to utility owners at no cost. If the encroachment permit and this AGREEMENT conflict, the requirements of this AGREEMENT will prevail.

52. The IMPLEMENTING AGENCY for a PROJECT COMPONENT will coordinate, prepare, obtain, implement, renew, and amend any encroachment permits needed to complete the WORK.

### Protected Resources

53. If any PARTY discovers unanticipated cultural, archaeological, paleontological, or other protected resources during WORK, all WORK in that area will stop and that PARTY will notify all PARTIES within 24 hours of discovery. WORK may only resume after a qualified professional has evaluated the nature and significance of the discovery and CALTRANS approves a plan for its removal or protection.

### Disclosures

54. PARTIES will hold all administrative drafts and administrative final reports, studies, materials, and documentation relied upon, produced, created, or utilized for the WORK in confidence to the extent permitted by law and where applicable, the provisions of California Government Code, Section 7921.505(c)(5) will protect the confidentiality of such documents in the event that said documents are shared between PARTIES.

PARTIES will not distribute, release, or share said documents with anyone other than employees, agents, and consultants who require access to complete the WORK without the written consent of the PARTY authorized to release them, unless required or authorized to do so by law.

55. If a PARTY receives a public records request pertaining to the WORK, that PARTY will notify PARTIES within five (5) working days of receipt and make PARTIES aware of any disclosed public records.

### Hazardous Materials

56. HM-1 is hazardous material (including, but not limited to, hazardous waste) that may require removal and disposal pursuant to federal or state law, irrespective of whether it is disturbed by the PROJECT or not.

HM-2 is hazardous material (including, but not limited to, hazardous waste) that may require removal and disposal pursuant to federal or state law only if disturbed by the PROJECT.

The management activities related to HM-1 and HM-2, including and without limitation, any necessary manifest requirements and disposal facility designations are referred to herein as HM-1 MANAGEMENT and HM-2 MANAGEMENT respectively.



57. If HM-1 or HM-2 is found the discovering PARTY will immediately notify all other PARTIES.

58. CALTRANS, independent of the PROJECT, is responsible for any HM-1 found within the existing State Highway System right-of-way. CALTRANS will undertake, or cause to be undertaken, HM-1 MANAGEMENT with minimum impact to the PROJECT schedule.

CALTRANS, independent of the PROJECT will pay, or cause to be paid, the cost of HM-1 MANAGEMENT related to HM-1 found within the existing State Highway System right-of-way.

59. If HM-1 is found within the PROJECT limits and outside the existing State Highway System right-of-way, responsibility for such HM-1 rests with the owner(s) of the parcel(s) on which the HM-1 is found. SMCTA, in concert with the local agency having land use jurisdiction, will ensure that HM-1 MANAGEMENT is undertaken with minimum impact to PROJECT schedule.

The cost of HM-1 MANAGEMENT for HM-1 found within the PROJECT limits and outside the existing State Highway System right-of-way will be the responsibility of the owner(s) of the parcel(s) where the HM-1 is located.

60. The CONSTRUCTION IMPLEMENTING AGENCY is responsible for HM-2 MANAGEMENT within the PROJECT limits.

SMCTA and CALTRANS will comply with the Soil Management Agreement for Aerially Deposited Lead Contaminated Soils (Soil Management Agreement) executed between CALTRANS and the California Department of Toxic Substances Control (DTSC). Under Section 3.2 of the Soil Management Agreement, CALTRANS and SMCTA each retain joint and severable liability for noncompliance with the provisions of the Soil Management Agreement. SMCTA will assume all responsibilities assigned to CALTRANS in the Soil Management Agreement during PROJECT COMPONENTS for which they are the IMPLEMENTING AGENCY except for final placement and burial of soil within the State right-of-way, per Section 4.5 of the Soil Management Agreement, which is subject to CALTRANS concurrence and reporting to DTSC which will be performed by CALTRANS.

61. CALTRANS' acquisition or acceptance of title to any property on which any HM-1 or HM-2 is found will proceed in accordance with CALTRANS' policy on such acquisition.

### Claims

62. SMCTA may accept, reject, compromise, settle, or litigate claims of any consultants or contractors hired to complete WORK without concurrence from the other PARTY.

63. PARTIES will confer on any claim that may affect the WORK or PARTIES' liability or responsibility under this AGREEMENT in order to retain resolution possibilities for potential future claims. No PARTY will prejudice the rights of another PARTY until after PARTIES confer on the claim.
64. If the WORK expends state or federal funds, each PARTY will comply with the Federal Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards of 2 CFR, Part 200. PARTIES will ensure that any for-profit consultant hired to participate in the WORK will comply with the requirements in 48 CFR, Chapter 1, Part 31. When state or federal funds are expended on the WORK these principles and requirements apply to all funding types included in this AGREEMENT.
65. If the WORK expends state or federal funds, each PARTY will undergo an annual audit in accordance with the Single Audit Act in the Federal Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards as defined in 2 CFR, Part 200.
66. When a PARTY reimburses a consultant for WORK with state or federal funds, the procurement of the consultant and the consultant overhead costs will be in accordance with the Local Assistance Procedures Manual, Chapter 10.

#### Interruption of Work

67. If WORK stops for any reason, each PARTY will continue with environmental commitments included in the environmental documentation, permits, agreements, or approvals that are in effect at the time that WORK stops, and will keep the PROJECT in environmental compliance until WORK resumes.

#### Penalties, Judgments and Settlements

68. The cost of awards, judgments, fines, interest, penalties, attorney's fees, and/or settlements generated by the WORK are considered WORK costs.
69. The cost of legal challenges to the environmental process or documentation are considered WORK costs.
70. Any PARTY whose action or lack of action causes the levy of fines, interest, or penalties will indemnify and hold all other PARTIES harmless per the terms of this AGREEMENT.

### **GENERAL CONDITIONS**

71. All portions of this AGREEMENT, including the Recitals Section, are enforceable.

**Venue**

72. PARTIES understand that this AGREEMENT is in accordance with and governed by the Constitution and laws of the State of California. This AGREEMENT will be enforceable in the State of California. Any PARTY initiating legal action arising from this AGREEMENT will file and maintain that legal action in the Superior Court of the county in which the CALTRANS district office that is signatory to this AGREEMENT resides, or in the Superior Court of the county in which the PROJECT is physically located.

**Exemptions**

73. All CALTRANS' obligations and commitments under this AGREEMENT are subject to the appropriation of resources by the Legislature, the State Budget Act authority, programming and allocation of funds by the California Transportation Commission (CTC).

**Indemnification**

74. Neither CALTRANS nor any of its officers and employees, are responsible for any injury, damage, or liability occurring by reason of anything done or omitted to be done by SMCTA, its contractors, sub-contractors, and/or its agents under or in connection with any work, authority, or jurisdiction conferred upon SMCTA under this AGREEMENT. It is understood and agreed that SMCTA, to the extent permitted by law, will defend, indemnify, and save harmless CALTRANS and all of their officers and employees from all claims, suits, or actions of every name, kind, and description brought forth under, but not limited to, tortious, contractual, inverse condemnation, or other theories and assertions of liability occurring by reason of anything done or omitted to be done by SMCTA, its contractors, sub-contractors, and/or its agents under this AGREEMENT.
75. Neither SMCTA nor any of its officers and employees, are responsible for any injury, damage, or liability occurring by reason of anything done or omitted to be done by CALTRANS, its contractors, sub-contractors, and/or its agents under or in connection with any work, authority, or jurisdiction conferred upon CALTRANS under this AGREEMENT. It is understood and agreed that CALTRANS, to the extent permitted by law, will defend, indemnify, and save harmless SMCTA and all of their officers and employees from all claims, suits, or actions of every name, kind, and description brought forth under, but not limited to, tortious, contractual, inverse condemnation, or other theories and assertions of liability occurring by reason of anything done or omitted to be done by CALTRANS, its contractors, sub-contractors, and/or its agents under this AGREEMENT.

**Non-parties**

76. PARTIES do not intend this AGREEMENT to create a third party beneficiary or define duties, obligations, or rights for entities not signatory to this AGREEMENT. PARTIES do not intend this AGREEMENT to affect their legal liability by imposing any standard of care for fulfilling the WORK different from the standards imposed by law.
77. PARTIES will not assign or attempt to assign obligations to entities not signatory to this AGREEMENT without an amendment to this AGREEMENT.

**Ambiguity and Performance**

78. Neither PARTY will interpret any ambiguity contained in this AGREEMENT against the other PARTY. PARTIES waive the provisions of California Civil Code, Section 1654.

A waiver of a PARTY's performance under this AGREEMENT will not constitute a continuous waiver of any other provision.

79. A delay or omission to exercise a right or power due to a default does not negate the use of that right or power in the future when deemed necessary.

**Defaults**

80. If any PARTY defaults in its performance of the WORK, a non-defaulting PARTY will request in writing that the default be remedied within thirty (30) calendar days. If the defaulting PARTY fails to do so, the non-defaulting PARTY may initiate dispute resolution.

**Dispute Resolution**

81. PARTIES will first attempt to resolve AGREEMENT disputes at the PROJECT team level as described in the Quality Management Plan. If they cannot resolve the dispute themselves, the CALTRANS District Director and the Executive Officer of SMCTA will attempt to negotiate a resolution. If PARTIES do not reach a resolution, PARTIES' legal counsel will initiate mediation. PARTIES agree to participate in mediation in good faith and will share equally in its costs.

Neither the dispute nor the mediation process relieves PARTIES from full and timely performance of the WORK in accordance with the terms of this AGREEMENT. However, if any PARTY stops fulfilling its obligations, any other PARTY may seek equitable relief to ensure that the WORK continues.

Except for equitable relief, no PARTY may file a civil complaint until after mediation, or forty-five (45) calendar days after filing the written mediation request, whichever occurs first.

PARTIES will file any civil complaints in the Superior Court of the county in which the CALTRANS District Office signatory to this AGREEMENT resides or in the Superior Court of the county in which the PROJECT is physically located.

82. PARTIES maintain the ability to pursue alternative or additional dispute remedies if a previously selected remedy does not achieve resolution.

### **Prevailing Wage**

83. When WORK falls within the Labor Code § 1720(a)(1) definition of "public works" in that it is construction, alteration, demolition, installation, or repair; or maintenance work under Labor Code § 1771, PARTIES will conform to the provisions of Labor Code §§ 1720-1815, and all applicable provisions of California Code of Regulations, Title 8, Division 1, Chapter 8, Subchapter 3, Articles 1-7. PARTIES will include prevailing wage requirements in contracts for public work and require contractors to include the same prevailing wage requirements in all subcontracts.

Work performed by a PARTY's own employees is exempt from the Labor Code's Prevailing Wage requirements.

If WORK is paid for, in whole or part, with federal funds and is of the type of work subject to federal prevailing wage requirements, PARTIES will conform to the provisions of the Davis-Bacon and Related Acts, 40 U.S.C. §§ 3141-3148.

When applicable, PARTIES will include federal prevailing wage requirements in contracts for public works. WORK performed by a PARTY's employees is exempt from federal prevailing wage requirements.

### **Contact Information**

The information provided below indicates the primary contact information for each PARTY to this AGREEMENT. PARTIES will notify each other in writing of any personnel or location changes. Contact information changes do not require an amendment to this AGREEMENT.

CALTRANS

Kelly Ma, Regional Project Manager

111 Grand Avenue

Oakland, CA 94612

Office Phone: (510) 908-2708

Email: Kelly.Ma@dot.ca.gov

SAN MATEO COUNTY TRANSPORTATION AUTHORITY

Liliana Price, Project Manager

1250 San Carlos Avenue

San Carlos, CA 94070-1306

Office Phone: (650) 508-6451

Email: pricee@samtrans.com

Billing contact:

Enrica Balagot,

San Carlos, California 94070-1306

Office Phone: (650) 508-7948

Email: balagote@samtrans.com

**SIGNATURES**

PARTIES are authorized to enter into this AGREEMENT and have delegated to the undersigned the authority to execute this AGREEMENT on behalf of the respective agencies and hereby covenants to have followed all the necessary legal requirements to validly execute this AGREEMENT. By signing below, the PARTIES each expressly agree to execute this AGREEMENT electronically.

The PARTIES acknowledge that executed copies of this AGREEMENT may be exchanged by facsimile or email, and that such copies shall be deemed to be effective as originals.

**STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION**

\_\_\_\_\_  
Robert Effinger  
Acting Deputy District Director, Design

**Verification of funds and authority:**

\_\_\_\_\_  
Jeffrey Kuehnel  
District Budget Manager

**SAN MATEO COUNTY  
TRANSPORTATION AUTHORITY**

\_\_\_\_\_  
April Chan  
Executive Director

**Attest:**

\_\_\_\_\_  
Dora Seamans  
Authority Secretary

**Approved as to form and procedure:**

\_\_\_\_\_  
Shayna Van Hoften  
Legal Counsel

# Request for Cooperative Agreement (RCA) Form

The purpose of the RCA form is to assist the District and the Local Partner with the development of the agreement terms and conditions. Once the RCA form is sufficiently filled out, an initial draft Coop can be produced by the District. Though the terms and conditions of an agreement can easily be documented, objections usually occur over specific language used in the Coop. To assure that the terms and conditions are portrayed properly, and to expose any discrepancy in language, the initial draft Coop will be submitted to the Local Partner for review and simultaneously be circulated for review within the District (not HQ). Only after the initial draft Coop has been returned to the District from the Local Agency with comments (if any), is the RCA considered complete and the Coop database can be updated with an "actual" RCA date.

**Note: Grey boxes will expand when information is entered.**

Date prepared: 11/21/23

Prepared by: Marco Baez

Target Execution Date of Coop Agmt: 2/5/24

Estimated Completion Date of Project: 01/31/2026

## Project Information

District Coop Agreement Number: 04- \_\_\_\_\_

County: SM Route: 1 Post Mile: 34.8-35.9

EA (Expenditure Authorization): 0Y780K

E-FIS Project Number: \_\_\_\_\_

### Agreement Type:

- Amendment to a Previous Agreement
- Project Development Agreement (*Select only the phases to cover under this Agmt.*)
  - PID
  - PA&ED
  - PS&E
  - R/W Capital
  - R/W Support \*
  - Construction
- Mitigation Agreement (Use Mitigation RCA form)
- Contribution Agreement
- Relinquishment Agreement
- Betterment / Improvement Agreement

\* If R/W Support is selected, and State funds are being contributed for use in R/W Support, the work must be done by Caltrans. The Local Agency can spend R/W Capital dollars. Check with R/W for additional clarification.

## Caltrans Information

Contact Name: Kelly Ma

Job Title: Project Manager

Street Address: 111 Grand Avenue

City: Oakland State: CA ZIP Code: 94612

Office Phone: ( \_\_\_ ) \_\_\_\_\_ Mobile Phone: ( 510 ) 908-2708

Fax (*optional*): ( \_\_\_ ) \_\_\_\_\_

Email Address: Kelly.Ma@dot.ca.gov



## Local Agency Information

Is there more than one Local Agency involved?    Yes     No   
(If yes, complete the information below for each Local Agency)

Official Name: San Mateo County Transportation Authority

AKA: \_\_\_\_\_

Contact Name: Liliana Price Job Title: Project Manager

Street Address: 1250 San Carlos Ave

City: San Carlos State: CA ZIP Code: 94070

Office Phone: ( \_\_\_\_ ) \_\_\_\_\_ Mobile Phone: ( 650 ) 508-6451

Fax (optional): ( \_\_\_\_ ) \_\_\_\_\_

Email Address: PriceE@samtrans.com

Billing contact information (only fill out if different from above):

Contact Name/Department: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: CA ZIP Code: \_\_\_\_\_

Office Phone: ( \_\_\_\_ ) \_\_\_\_\_

Email Address: \_\_\_\_\_

Who will approve this Agreement for Local Agency?

Name: Jessica Manzi

Title: Director, Project Delivery

Who will witness or attest on behalf of the Local Agency?

Name: xxx

Title: \_\_\_\_\_

Attorney for Local Agency?

Name: xxx

Title: Attorney

## Agreement Information

**Project description:** *Even if this agreement is only for part of a phase of work, please describe the PROJECT that is proposed to be built.*

The County of San Mateo (County), in cooperation with the San Mateo County Transportation Authority (SMCTA) and the California Department of Transportation (Caltrans), is initiating the Moss Beach State Route 1 Congestion and Safety Improvements Project (project) in the unincorporated community of Moss Beach in San Mateo County. The proposed project would change intersection controls and include bicycle and pedestrian improvements. The project would also include necessary signage and pavement markings to implement changes to the operation of the roadway.

**Deliverables completed:**

Completed by (*Caltrans or Local Agency*)?

(*Check all that apply*)

	Caltrans	Local Agency
<input type="checkbox"/> Project Initiation Document*	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Project Report	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Environmental Document	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Plans, Specifications and Estimate	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Right of Way Certification	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Other (explain below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(\*PID will be completed by 11/30/2023; PPS was completed in 2019)

**Previous cooperative agreements for this PROJECT:** (*agreement numbers and phase*)

Coop No.: xxx Phase:      PID

Coop No.:      Phase:     

Coop No.:      Phase:     

**What is going to be exchanged under this agreement?**

(*Check all that apply*)

- Effort (*IQA or reimbursable activities both require Effort to be selected*)
- R/W Capital Funding
- R/W Support Funding \*
- Construction Capital Funding
- Construction Support Funding
- Property (*land*)\*\*
- Material (*raw material or improvements*) \*\*
- Other

\* *If R/W Support is selected, and there is State dollars in R/W Support, then the work must be done by Caltrans. The Local Agency can spend R/W Capital dollars. Check with R/W for additional clarification.*

\*\* *Clearly describe intent and need in the "Special Arrangement" section (page 10 of 10)*

**Responsibilities**

**Sponsor(s)** – The party responsible for fully funding all commitments under this agreement. (*If more than one Sponsor, indicate the percent distribution. The total sum must equal 100%*).

- Caltrans      %
- Local Agency 100 %

**Implementing Agency** – The party responsible for managing the scope, cost, and schedule of this agreement. (*Select only the phases to cover under this Agmt and only one partner for each phase*)

	Caltrans	Local Agency
PID	<input type="checkbox"/>	<input type="checkbox"/>
PA&ED	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PS&E	<input type="checkbox"/>	<input type="checkbox"/>
R/W	<input type="checkbox"/>	<input type="checkbox"/>
CON	<input type="checkbox"/>	<input type="checkbox"/>

## PA&ED - Environmental and Permits

(Select one party per lead responsibility.)

	Caltrans	Local Agency	FHWA	FTA
CEQA Lead*	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
NEPA Lead(documentation required) (if applicable)	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

\* If Local Agency is selected as CEQA lead, a delegation letter from the District Director must be issued.

Will the NEPA documentation be an Environmental Impact Statement (EIS)?

Yes  No  N/A

### Resource Agency Permits

(Insert either CT or LA on all cells for permit/agreement/approvals that are required for PROJECT. If not required, check the N/A box. Those boxes identified as CT can only be performed by Caltrans.)

Permit/Approval	N/A	Coordinate	Prepare	Obtain	Implement	Renew	Amend
404 USACOE	<input type="checkbox"/>	LA	LA	CT	LA		
401 RWQCB	<input type="checkbox"/>	LA	LA	CT	LA		
NPDES SWRCB	<input type="checkbox"/>	LA	LA	CT	LA		
State Waste Discharge Requirements (Porter Cologne) RWQCB	<input checked="" type="checkbox"/>						
FESA Section 7 USFWS	<input checked="" type="checkbox"/>	CT		CT		CT	CT
BO Section 7 USFWS	<input checked="" type="checkbox"/>	CT		CT		CT	CT
FESA Section 7 NOAA/NMFS	<input type="checkbox"/>	CT	LA	CT	LA	CT	CT
BO Section 7 NOAA/NMFS	<input checked="" type="checkbox"/>	CT		CT		CT	CT
FESA Section 10 USFWS	<input checked="" type="checkbox"/>						
EFH - NOAA/NMFS	<input checked="" type="checkbox"/>	CT		CT		CT	CT
Coastal Development Permit CCC	<input checked="" type="checkbox"/>						
Fed. Coastal Zone Mgt. Act – Consistency Determination CCC	<input checked="" type="checkbox"/>	CT		CT		CT	CT
BCDC Permit	<input checked="" type="checkbox"/>						
Fed. Coastal Zone Mgt. Act – Consistency Determination BCDC	<input checked="" type="checkbox"/>	CT		CT		CT	CT
1602 DFG	<input type="checkbox"/>	LA	LA	CT	LA		
2080.1 DFG	<input checked="" type="checkbox"/>						
2080(B) DFG	<input checked="" type="checkbox"/>						
Air Quality Permits	<input checked="" type="checkbox"/>						
Other (specify)	<input checked="" type="checkbox"/>						

USACOE = United States Army Corps of Engineers (Federal)

RWQCB = Regional Water Quality Control Board (California)

NPDES = National Pollutant Discharge Elimination System (Federal)

SWRCB = State Water Resources Control Board (California)

USFWS = United States Fish and Wildlife Service (Federal)

NOAA = National Ocean and Atmospheric Administration (Federal)

NMFS = Nation Marine Fisheries Service (Federal)

BCDC = Bay Conservation and Development Commission (local to S.F. Bay Area)

DFG = Department of Fish and Game (California)  
EFH = Essential Fish Habitat

## Right of Way

Who will make the necessary arrangements for the accommodation, protection, relocation, or removal of any existing utility facilities? Caltrans  Local Agency

Will the California Transportation Commission hear the Resolutions of Necessity? Yes  No \*

*\*If Local Agency intends to hear Resolutions of Necessity (RON's) on the local level (as opposed to having the CTC hear the RON's), District must obtain a delegation letter from the HQ Division Chief of Right of Way that acknowledges the Local Agency will hear Resolutions of Necessity on the local level.*

## Construction

Will the construction contract involve landscaping? Yes  No

Construction contract changes will be implemented by contract change orders (CCO). Partners will review and concur on all CCO's over \$ 50,000.  
(Typically, \$50,000 is used for the above amount)

Will there be any State Furnished Materials (SFM) necessary on this PROJECT?

Yes  No

If yes, who is paying for the SFM?

Caltrans

Local Partner

Project Cost

Is a Traffic Management Plan (TMP) needed? Yes  No

Is a Construction Zone Enhanced Enforcement Program (COZEEP) needed? Yes  No

## Maintenance

Describe the maintenance arrangement required as a result of the project:

- Partners will amend an existing maintenance agreement
- An existing maintenance agreement exists and will NOT require amendment
- Partners will execute a new maintenance agreement
- \* Caltrans will assume full responsibility for maintenance after work is complete

*\* Typically the case when partner is a Transportation Authority*

Are there traffic signals? Yes  No

Describe any special maintenance arrangements that need to be documented: \_\_\_\_\_

## Scope Summary / Delegation of Activities

***What*** work is being done in this agreement, and ***Who*** is doing it?

*(If any of the activities below are shared, check all the appropriate parties and define the arrangement in the Notes section on the next page.)*

	WBS Code (v10.1)	Workplan Standards Guide for the Delivery of Capital Projects - Activity Description	Who is doing the work?			
			Caltrans	Local Agency 1	Local Agency 2	N/A
Environmental (PA&ED)	2.160	Perform preliminary engineering studies and draft project report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.165	Perform environmental studies and prepare draft environmental document	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.170	Permits, Agreements, and Route Adoptions during PA&ED component	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.175	Circulate draft environmental document and select preferred project alternative identification	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.180	Prepare and approve project report and final environmental document	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design (PS&E)	3.185	Prepare base maps and plan sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.205	Obtain permits and agreements during PS&E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.230	Prepare draft PS&E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.235	Mitigate environmental impacts and clean up hazardous waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.240	Draft structures PS&E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.250	Prepare final structures PS&E package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.255	Circulate, review and prepare final district PS&E package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.260	Contract bid documents "ready to list"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Right of Way (R/W)	4.195	Right of way property management and excess land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.200	Utility relocation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.220	Perform right of way engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.225	Obtain right of way interests for project right of way certification*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.245	Post right of way certification work*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.300	Perform final right of way engineering activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	WBS Code (v10.1)	Workplan Standards Guide for the Delivery of Capital Projects - Activity Description	Who is doing the work?			
			Caltrans	Local Agency 1	Local Agency 2	N/A
<b>Construction</b>	3.265	Awarded and approved construction contract	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.270	Construction engineering and general contract administration**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.275	Construction Engineering and General Contract Administration of Structures Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.285	Contract change order administration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.290	Resolve contract claims	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.295	Accept contract/ prepare final construction estimate and final report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*\*If Local Agency intends to hear Resolutions of Necessity (RONs) on the local level (as opposed to having the CTC hear the RONs), District must obtain a delegation letter from the Division Chief of Right of Way that acknowledges the Local Agency will hear Resolutions of Necessity on the local level.*

*\*\* If Local Agency is selected to perform source inspection (WBS 5.270.35.20), Local Agency must seek an exception from Caltrans METS before an encroachment permit will be issued.*

Describe any activities that will be shared and identify those WBS codes to Level 7:

\_\_\_\_\_

## Scheduling

Describe any special schedule conditions or restraints that need to be documented:

\_\_\_\_\_

**Funding Information**

Fund Type	Fund Source	PID	PA&ED	PS&E	R/W Capital	* R/W Support	CON Capital	CON Support	Total
<i>match:_(type)_</i>									
Tax Measure	Local								
Local Funds	Local		3.5 M						3.5 M
STIP/RIP	State								
STIP/IIP	State								
SHOPP	State								
Minor A Funds	State								
Minor B Funds	State								
TCRP	State								
Bond-CMIA	State								
ARRA Local	Federal								
ARRA State	Federal								
CMAQ	Federal								
<i>match:</i>									
DEMO-HPP	Federal								
<i>match:</i>									
RSTP	Federal								
<i>match:</i>									
STIP/TEA	State								
<i>match:</i>									
TE	Federal								
<i>match:</i>									
Other:	Local								
Other:	Local								
Other:	State								
Other:	State								
Other:	Federal								
<i>match:</i>									
<b>Total</b>									<b>3.5 M</b>

NOTE: Funding should correspond with all phases that are selected for this agreement.  
 \* If R/W Support is selected, and there is State dollars in R/W Support, then the work must be done by Caltrans. The Local Agency can spend State dollars for R/W Capital. Check with R/W for additional clarification.

## Billing Arrangements

Does Local Partner have Electronic Fund Transfer (EFT) privileges: YES  NO

*NOTE: All funds will be spent proportionally. To spend funds sequentially, District must receive an exception from Division Chief of Budgets.*

Identify the type of billing arrangement for each phase (*attach additional sheet if necessary*)

Phase: \_\_\_\_\_

Lump Sum Payment\*:

Single Payment

Installments

\$ \_\_\_\_\_ per month for \_\_\_\_\_ months.

*\*Lump Sum payments and advances are highly restricted by HQ Accounting. Verify with HQ Accounting that Lump Sum and advances are appropriate for this agreement prior to committing on this RCA.*

Actual Expenditures\*\*:

Deposit for Support \$ \_\_\_\_\_

Deposit for Capital \$ \_\_\_\_\_

*\*\*Actual Expenditures means that one or both partners will bill as the work is being performed.*

Phase: \_\_\_\_\_

Lump Sum Payment:

Single Payment

Installments

\$ \_\_\_\_\_ per month for \_\_\_\_\_ months.

Actual Expenditures:

Deposit for Support \$ \_\_\_\_\_

Deposit for Capital \$ \_\_\_\_\_

Phase: \_\_\_\_\_

Lump Sum Payment:

Single Payment

Installments

\$ \_\_\_\_\_ per month for \_\_\_\_\_ months.

Actual Expenditures:

Deposit for Support \$ \_\_\_\_\_

Deposit for Capital \$ \_\_\_\_\_

Phase: \_\_\_\_\_

Lump Sum Payment:

Single Payment

Installments

\$ \_\_\_\_\_ per month for \_\_\_\_\_ months.

Actual Expenditures:

Deposit for Support \$ \_\_\_\_\_

Deposit for Capital \$ \_\_\_\_\_



## Type of Authorizing Document for this Cooperative Agreement

Identify which authorizing document will be provided prior to execution:

- Project Study Report (PSR)
- Project Report (PR)
- Supplemental PR
- Permit Engineering Evaluation Report (PEER)
- Cooperative Agreement Report (CAR)

## Special Arrangements - Additional questions, comments, concerns and commitments

Describe any special arrangements that need to be documented:

\_\_\_\_\_

## Non-Standard Language

Is any non-standard language or proposed modifications to policy being advanced?

Yes  No

If yes,

Does the District Functional Unit concur with the proposed modification/change?\*

Yes  No

Has the District Functional Unit contacted the corresponding HQ Functional Unit and received approval for use of non-standard language? \*

Yes  No

*\*All proposed changes to standard language must be concurred by the District Functional Unit and approved by the corresponding HQ Functional Unit to be fully adopted into a Coop. Otherwise an exception needs to be obtained, or the arrangement needs to be changed.*

List any and all standard language that the District/Local Agency is seeking to have modified: *(use additional sheets if necessary)*.

\_\_\_\_\_

Attachment – S

PROJECT INITIATION PHASE PUBLIC MEETING

(Summary Report)

# **MOSS BEACH STATE ROUTE 1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT**

## **PROJECT INITIATION PHASE PUBLIC MEETING**

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### **Summary Report**

October 5, 2023

The County of San Mateo, the San Mateo County Transportation Authority, and Caltrans held a public meeting and self-guided open house to share updates on the Moss Beach State Route (SR) 1 Congestion and Safety Improvements Project with the public. The in-person meeting was held on Tuesday, September 19, 2023 from 6 PM to 8 PM at the District 3 Coastside County Supervisor's Office. Meeting materials were left at the Supervisor's office through Friday, September 29, 2023. Visitors were invited to stop by and look at the materials on their own and encouraged to leave comments on comment cards or via the project website.

The County of San Mateo and its partners promoted the public meeting and open house through various methods, including:

- Email to stakeholders (~700 recipients) on 8/31/23 and reminder on 9/17/23
- Social media posts in English and Spanish to County of San Mateo Next Door on 9/13/23 and 9/18/23
- Post to County's Project Webpage and County News, and cross-posting by Midcoast Community Council, Coastside Dems, Coastside Buzz, Pacifica Riptide, and City of Half Moon Bay
- Postcard mailers in English and Spanish to project area zip codes (94037 and 94038), resulting in 775 direct delivery mailers and 1,791 to resident post office boxes
- Flyers posted at local businesses on Carlos Street from Etheldore Street to Virginia Avenue, on Highway 1 from California Avenue to Lancaster Boulevard, and at Supervisor District 3 Coastside Office

Sixty-nine people signed in at the Tuesday evening meeting and additional people visited the Supervisor's office to view materials on their own.

The meeting was staffed by a group of project team panelists who were available to present information at individual stations, deliver a presentation, and answer questions. Representatives from the County of San Mateo, the San Mateo County Transportation Authority, and a team of consultants were available.

The meeting was presented in English with all materials available in Spanish. There was an interpreter present at the meeting, but no participants requested interpretation.

A video recording of the presentation along with copies of all materials presented at the meeting are available on the project website at [www.smcgov.org/planning/Moss-Beach-SR-1](http://www.smcgov.org/planning/Moss-Beach-SR-1).

## Meeting Summary and Written Comments

The following stations were made available to participants:

- Station 1 – Project Overview and Timeline
- Station 2 – Existing Conditions
- Station 3 – Large format Design Alternatives
- Station 4 – Traffic Flow Simulations with Traffic Signals and Roundabouts

Participants were invited to view materials to learn about the project and ask specific questions for 30 minutes. After that, participants took a seat and listened to Chanda Singh (County of San Mateo) and Ramsey Hissen (Consultant team) give a presentation describing the need for the project, the process for delivering the project, the alternatives under consideration, and the next steps. The facilitator, Nicole Hilaire, took approximately 10 questions from the audience before adjourning the presentation and requesting project team members continue one-on-one conversations at the various stations. Some members of the public wanted the question-and-answer session to continue so that all participants could hear each other's questions. Other members of the public wanted to have smaller group discussions.

The themes raised at the meeting were:

- Safety of crosswalks at SR 1 at a roundabout
- Roundabouts and signals were favored by different attendees
- Questions whether intervention at 16<sup>th</sup> Street was needed
- Sight distance at 16<sup>th</sup> Street needs improvement
- Requests to change the speed limit within Moss Beach
- Requests to phase the work so that something can be done now to increase safety
- Questions about who would pay for utility relocations, especially at Montara Water and Sanitary District
- Concerns about adding lighting to the project area

- Praise for the Multimodal Trail
- Some thought the project would slow down traffic
- Concerns about drainage
- Interest in increasing safety for pedestrians to cross SR 1
- Questions about how the decision for an alternative would be made
- Medians and center-turn lanes were favored by different attendees
- Request to study pedestrian overcrossings and undercrossings

County staff received 9 comments before the meeting, 15 comment cards at the meeting, and 17 comments after the meeting.

County staff sent a post-meeting evaluation by email to its electronic distribution list, including those who signed in. Eight people completed the evaluation. Six respondents agreed that after the meeting, they had a better understanding of the improvements being recommended for further study and a better understanding of the Caltrans process and next steps; two respondents were neutral and zero disagreed.

County staff presented the project and a summary of the public meeting at the Midcoast Community Council on October 11, 2023.

A detailed summary of all public comments received are shown in Appendix A.

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## Appendix A – Comments Received

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# Comments on Moss Beach SR-1 Congestion & Safety Improvements Project, Project Initiation Phase

RECEIVED 8/31/23 THROUGH 10/17/23

## Project alternative preferences

### Roundabouts

- Hello, We're unable to attend the meetings this month. My husband and I have lived in Moss Beach for over 25 years. We are in favor of roundabouts at all 3 intersections. We've traveled many international and national areas where roundabouts keep the traffic moving smoothly, efficiently and provide safety for pedestrians and bikers too. NO more traffic lights on Hwy 1 please. (Barbara and Clark, 9/19/23)
- Hello, I am a Moss Beach resident and attended the meeting on Sept 19 - I did submit a comment that I am in favor of the roundabouts and traffic calming efforts, with maximum effect from raised medians. I truly hope we can see this happen in the next few years, ahead of the predicted 2030 estimate, as it's needed now. (Dan K, 9/20/23)
- My preference is Alternative 1, Option A. (Bill B, 9/22/23)
- Preference for roundabouts and medians (9/19/23 Open House, Project Team Question/Comment)
- Roundabout is preferred to signal. (9/19/23 Open House, Project Team Question/Comment)
- Alternative 1: Circles – great. Median – great. (Marco C., 9/19/23)
- I prefer the option with roundabouts at Cypress and California without the raised medians. (Michelle W., 9/19/23)
- Glad to hear the County is considering roundabouts for the new intersection controls at 16th St., California, and Cypress Ave. intersections at SR-1. Roundabouts work much better than traffic signals as they are safer – eliminates deadly high speed t-bone crashes and fatal car pedestrian crashes caused by red light running. Carmel, Indiana converted most all their signalized intersections to roundabouts and saw crashes reduced by 75% and fatal ones reduced to very few. <https://eri.iu.edu/erit/case-studies/carmel-indiana-roundabouts.html> <https://www.youtube.com/watch?v=SAqu5cBetkQ> They saw reduction in intersection speed, but increased travel times on the streets as cars do not come to a full stop and back up traffic. Also they saw a reduction in pollution, noise and improvements in fuel economy as cars do not have to accelerate from standing stop. The crosswalks and bike lanes are safer as the

crossing points are narrower by eliminating multiple turn lanes where there are pedestrian crossings. And they eliminated the maintenance costs of traffic signals. (Remi T, 9/25/23)

- I support 'roundabouts' at Cypress Ave and Hwy 1. I use roundabouts 4 months per year in Anacortes, WA and they work great!! Low cost maintenance, too. (Barry L., 9/19/23)
- I support roundabouts. (Leslie O., 9/19/23)
- I am a 10 years Moss Beach resident, and I support Project Build Alternative 1, with the caveat that, for local residents, I think a roundabout at 16th Street would be superior to a signal. (Todd E., 9/28/23)

### *Signals*

- Proposing roundabouts is not a good idea since people don't know how to use them and can create issues. Prefer signals to roundabout. (9/19/23 Open House, Project Team Question/Comment)
- I have seen the Moss Beach SR-1 changes. As I see the road changes to have a round-about or traffic signals as an option. I would prefer traffic signals as I feel this would speed traffic through at a much smoother pace and we as pedestrians will have a much easier, safer and smoother time to cross the highway. I like round a-bouts but not in area where there is so much foot traffic crossing the highway. (Gaylen E., 9/26/23)
- Given the option of a roundabout or a stop light at California, the stop light seems to definitely be a superior choice, given the risk of left turns onto Highway from either direction. While the existing traffic has increased over the 40+ years I have lived on the West Side of Highway One, the traffic anticipated in light of the construction of 80 units just slightly north of California, both during construction and then after the new units are inhabited causes concern for all residents who need to access the Highway to leave their homes to go in either direction without the aid of something like a stop light that would at least present an opportunity to turn onto the highway in a safe manner. (Joan D., 9/27/23)

### *Either*

- I've lived on Marine Blvd in Moss Beach for 30 years. I enthusiastically support any of the alternative improvements, traffic lights or roundabouts. (Cary P, 9/19/23)
- Attendee, 80 years old and 40 year resident who lives off of Wienke Way and uses a walker. Shared that it's scary to cross SR 1 at Virginia Avenue to get to the post office. She likes either signal or roundabout option. Anything that slows vehicle speeds. She likes that



Wienke is no longer connected to California. She asked about how many homes would be lost. (9/19/23 Open House, Project Team Question/Comment)

- I am in favor of most of these changes. Highway 1 is too fast through Moss Beach. I often cross as a pedestrian or on bicycle, and the left turns out of California are a nightmare. Use more traffic calming / raised medians! (Daniel K., 9/19/23)
- The proposals of the roundabouts, crosswalks, and light at 16th Street seem well thought out. (Scott C., 9/20/23)

### *Concerns*

- Hello Ms Faulkner, in case I cannot make an appearance at the Open House for this project, I am sending an advance public comment focusing on the proposed roundabouts. I think they're land grabbing, unsafe for oversize vehicles such as fire trucks, cause congestion, and are difficult for pedestrians to navigate. Please find less disturbing ways to make our one way in and out of the Coastside safer. Thank you. (Chris C, 9/5/23)
- I'm speaking for several neighbors that are frustrated with the ambiguous language in the plan for construction on Hwy 1 in Moss Beach. What does proposed intersection control mean? Is it a traffic Light? Does it include round about which neighbors have strongly and repeatedly requested? (Carol K, 9/9/23)
- Major concerns: Safety – roundabouts. Maintaining character of Montara and Moss Beach. Do not put an El Camino-esque roadway in MB. No stop signs or stop lights. (Kathryn S., 9/19/23)
- Please do not put in three traffic lights. The stop and go would just be terrible for everyone concerned. The increase in pollution with that option is intolerable. The preferred solution would be no lights at all. But that apparently is not an option. (Graham B., 9/27/23)

### **16<sup>th</sup> Street – safety concerns (how to slow approach speeds, poor sight distance, increase in rear-end collisions), operations (SR 1 traffic stopping unnecessarily), and project need (why signal v. roundabout and why needed at all)**

- The stoplight at 16th St should alleviate any congestion caused by the Cypress Point project. (Scott C., 9/20/23)
- 16<sup>th</sup> Avenue and Highway 1 is a challenging intersection because there is poor sight up and down the highway. People can't see cars waiting at the intersection or people crossing. I'm concerned that a traffic signal will cause crashes and rear-end collisions. (9/19/23 Open House, Q+A After Presentation)
- Why is the signal at 16<sup>th</sup> Street needed? There is barely anyone using this intersection. Why won't a roundabout work here? (9/19/23 Open House, Project Team Question/Comment)

- Improve sight distance as you approach SR1/16<sup>th</sup> St from the south. (9/19/23 Open House, Project Team Question/Comment)
- 16<sup>th</sup> St. No light. Circle or nothing. (Marco C., 9/19/23)
- Drivers traveling northbound might rear-end vehicles waiting at the light at 16<sup>th</sup> street because of inadequate sight distance. (9/19/23 Open House, Project Team Question/Comment)
- Why we are putting a signal there – that there is no current traffic (9/19/23 Open House, Project Team Question/Comment)
- Concern about signal timing and that people will be waiting at the signal for no reason (9/19/23 Open House, Project Team Question/Comment)
- Concern about fast vehicle speeds prior to signal on NB SR1 and concern about rear-ending at the signal (9/19/23 Open House, Project Team Question/Comment)
- Request for roundabout instead of signal or some other solution (9/19/23 Open House, Project Team Question/Comment)
- Installing a pedestrian overcrossing at 16<sup>th</sup> is a better idea than a signal light (9/19/23 Open House, Project Team Question/Comment)
- Intersection at 16<sup>th</sup> is a blind spot and installing a signal at this intersection is not a good idea and will make this intersection less safe. (9/19/23 Open House, Project Team Question/Comment)
- Do nothing at the intersection of 16<sup>th</sup> since there is hardly any traffic and by introducing traffic signal, you'll be creating a queue on SR-1. Instead consider including a signal at the next intersection to the north of 16<sup>th</sup>. (9/19/23 Open House, Project Team Question/Comment)
- My concerns are: bicycle traffic at 16<sup>th</sup> Street: cars getting rear ended because they yielded to cyclists. (Theresa M, 9/19/23)
- I was at the open house. I'm not understanding why a traffic light is proposed at 16th street. It really defeats the purpose of the two roundabouts which slow traffic down without stopping it entirely and causing a traffic standstill. Is there an option which eliminates the traffic light as this will cause more problems. And no one needs to cross there. There is one house on 16th street. This will not work. (Elizabeth P., 9/27/23)
- A roundabout at 16th St & Highway 1 will prepare southbound visiting drivers for the roundabouts ahead before they hit the higher-traffic (pedestrian, bicyclist, and auto) roundabouts in Moss Beach. In addition, a signal at 16th street will create massive congestion/backup on Carlos Street with the 250 new cars being added by the Cypress Point development. Picture cars idling & trapped in the Cypress Point development waiting to get onto 1-lane Carlos Street, because Carlos Street is backed up by a lineup at the signal with Highway 1. This would drive Cypress Point residents to instead turn South on Carlos Street, down a narrow residential street with blind turns and lots of pedestrians and dogs. (Todd E., 9/28/23)

**Project bike facilities (Class 2 on SR 1 won't be safe enough without more speed reduction, request for Class 4, request for MMT on westside of SR 1 north of Etheldore)**

- However, I am also suggesting further improvements for the bike access along highway 1. Currently, only the most extreme riders will risk riding bikes in the "gutter" along the highway, next to cars driving 50-55+ MPH. With traffic calming, even with cars driving 20-40 MPH, this gutter, when painted green, will still be unsafe with all the distracted drivers, and most of the people who currently ride their bike still will not bother on these "Class II" bike lanes without some further safety barriers (even plastic knock-down bollards, but ideally something like plastic or concrete dividing bumpers). I believe those current extreme riders will feel a little safer with the proposed changes, but most adult riders will only use a multi-modal trail if given the option, that will run parallel to the bike lane. Is there no way to physically separate the gutter bike path here, into a "Class IV" bike lane? This would drastically include ridership from south Moss Beach to Montara and could further calm the traffic. I believe the green paint is certainly better than nothing to slow traffic though. This all brings another important problem to light: There is no bike infrastructure \*south\* of Moss Beach. So the majority of people who live in Montara or Moss Beach would not dare to ride their bikes to the shopping and other resources that exist only in El Granada or Half Moon Bay. Currently, only those extreme riders will ride in the gutter on highway 1 near the airport among traffic driving 55-60+ MPH. Therefore, something like 99% of residents drive a car for every trip to grocery stores or restaurants. That is the true missing link: a class IV or class I (ideal) bike path somewhere parallel to the highway, to connect El Granada to Moss Beach & Montara. With that connection, even kids could ride safely. The popularity of e-bikes in this community is staggering. All we need is a path connecting these communities and we could see a large reduction in automobile traffic between these towns. The open space in this region is vast. There is also the "Airport Road" parallel and behind the airport, which has a large housing project that was built, and plans to build more businesses there. I know your project only focuses on Moss Beach itself, but I would hope those DOT / Caltrans agencies who talked about the southern project could collaborate to create a proper solution for the region to reduce automobile dependency. They had talked about it a year ago (see "Route 1 Rehabilitation Project"), but again only proposed painting the gutters green next to cars driving 55 MPH. (Dan K, 9/20/23)
- For SR1 between Carlos/16<sup>th</sup> Street and 14<sup>th</sup> Street in Montara can the Build Alternative that calls out a Class 2 Bike lane and a multimodal trail. How should I identify a separate option to the current proposal for a Class 2 Bike lane and a pedestrian walkway (this require additional expense)? (Len E, 9/22/23)
- Resident is a cyclist and suggests continuing the trail after Etheldore Street on the opposite site. (9/19/23 Open House, Project Team Question/Comment)
- I like the multi modal trail. I will never ride my bicycle on Highway 1 unless the speed is substantially reduced. (9/19/23 Open House, Project Team Question/Comment)
- Please ensure the multimodal trail gets priority. And not be lost as a future promise that never gets funded. As many folks pointed out, if we just had enforcement of current regulations that would go a long way to making this area safer. (Graham B., 9/27/23)
- I would like the final north section of the project (Carlos St/16th Street to 14th Street) evaluate an option of having a multimodal parallel segment rather than a pedestrian walkway. When a project is proposed for the Montara Multimodal parallel trail is proposed it can complete that Montara section of the trail. (Len E., 9/28/23)

## **Project pedestrian facilities (Feasibility of a pedestrian underpass, safety of ped crossings at roundabouts, flashing lights at all uncontrolled crosswalks)**

- I'm worried about the safety of crosswalks at the roundabouts. (9/19/23 Open House, Project Team Question/Comment)
- Concern that proposing median on one of the Build alternatives will encourage the pedestrians to cross outside the proposed crossings. (9/19/23 Open House, Project Team Question/Comment)
- Pedestrian refuge medians so can walk across half of highway at a time, (Theresa M, 9/19/23)
- Not sure why a pedestrian bike overcrossing would be needed south of Carlos St. (at Vermont) when a proposed roundabout is a couple of blocks away at California Avenue? That overcrossing would be better placed at Grey Whale cove where the parking lot is on the east side of the highway and there is no other place for the parking lot, and a smaller less costly pedestrian overcrossing can be used as there are no bike trails near the steep Grey Whale cove on the west side. (Remi T, 9/25/23)
- Like the idea of the proposed flashing lights at all unsignalized crosswalks. - maybe consider the flashing lights in the crosswalks are better and less cost than the overhead arms, especially with high coastal winds and this would work on the crosswalks in the roundabouts as well without being obtrusive. (Remi T, 9/25/23)
- Why hasn't the County studied the feasibility of an underpass? (9/19/23 Open House, Project Team Question/Comment)
- 1) An underpass/tunnel in Moss Beach area would be the safest, most efficient method for pedestrians and bikes to cross the highway. Inclusion of a feasibility study in current (Sept 2023) Moss Beach SR-1 Congestion & Safety Improvements Project would be a logical and cost effective way to address the issue. 2) An underpass would be vastly safer than at grade crossings, whether at traffic lights or roundabouts. All people, including children and mobility challenged individuals, could safely cross the highway. 3) An underpass would greatly reduce the impact to vehicle traffic flow due to pedestrians and bikes crossing the highway as compared to at grade crossings. 4) An underpass would not have the extremely negative impact to the view that would result from an overcrossing. Note that Connect the Coastside final report (4/27/22) recommendation #Pe1 was for an "overcrossing of Highway 1 / south of Carlos St." 5) An underpass would provide a safe efficient way for pedestrian and bike traffic on the Coastal trail to cross the highway, as it must at some location in the Moss Beach area (a crossing is shown at 16<sup>th</sup> street on 4/27/22 Connect the Coastside Page 107 map). That is, a link between the proposed "Coastal Trail" and the "Multi-Modal Trail". 6) The county transportation planning process has thus far not addressed the concept of an undercrossing in any detailed way. 7) Now is the appropriate time for a feasibility study regarding an underpass. The information gathered may help inform proposed future infrastructure improvement, both roadway and utility. A small part of the funds allocated for Moss Beach SR-1 Congestion & Safety Improvements Project should be designated for this purpose. (Kathryn S., 9/19/23)

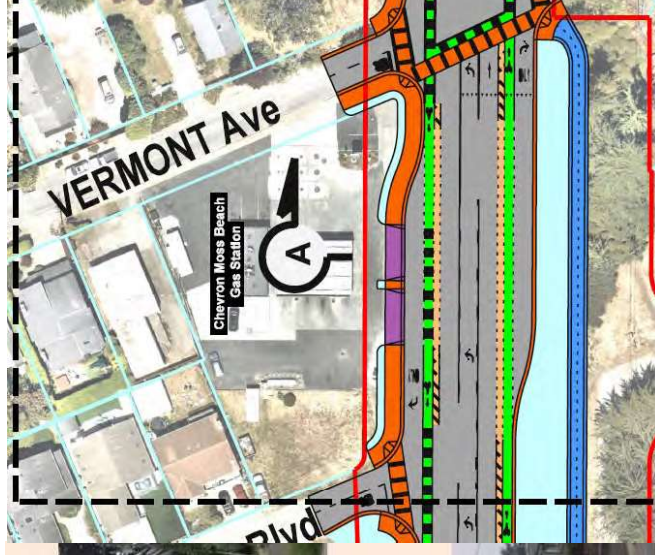
- I don't like the urban feel of the bus structures, and concerned with the much visual litter (signs, extra lights, etc.) that will come as a result of all this proposed work. Pedestrian underpasses would take this part out of the equation and provide 100% safe crossing without causing more gridlock. (Dan H., 9/19/23)
- Since I now use a wheeled walker, walking across the highway becomes even more dangerous so I no longer even consider crossing on foot. The car traffic seems oblivious to any impediment to their own speed. A wheeled walker is no match. (Joan D., 9/27/23)
- For safety and convenience, pedestrians seem to prefer walking at the outer edge of the ROW closer to businesses (existing or future) and crossing side streets where their sidewalks end, set back from the vehicle stop line where fast turning movements occur. Between Virginia & Vermont note the worn informal path through the vegetation in this ROW. At the taqueria at Virginia the existing sidewalk is next to the building. There is no encroachment permit for the informal parking in Caltrans ROW. Two-story mixed-use (yellow outline at Virginia) commercial with residential above: PLN2018-00097 approved 2020 but no building permit application to date. Planning Commission motion to approve included addition of CoA to add sidewalk along the building frontage at outer edge of Caltrans ROW (Lisa K, 9/22/23)



**Operation concerns (not enough gaps in traffic on SR 1 for safe vehicular movement, medians and impact to movements, slowing traffic, impact of bike/ped movements on traffic operations, emergency vehicle and truck access)**

- Roundabouts will slow traffic down and its not clear how vehicles will continue to “flow” on Highway 1 if cars are in the roundabout? Won't it be challenging for cars to find a gap to enter the roundabout and won't the highway be at a standstill? (9/19/23 Open House, Q+A After Presentation)

- Only concern with Alternative 1 is: 0800-0900 Weekdays, exits from Virginia, Vermont, Lancaster, Terrace going northbound will load California circle to go southbound for traffic to Half Moon Bay. (Marco C., 9/19/23)
- This project is going to slow down traffic and make it worst (9/19/23 Open House, Project Team Question/Comment)
- Be consistent. Do not say it takes an average of 1.5 minutes to drive through moss beach and side streets wait times can be as long as 7 minutes. Compare AVERAGE time to drive through moss beach with AVERAGE wait time on side streets. (9/19/23 Open House, Project Team Question/Comment)
- How will the bike/ped traffic crossing the Highway for the Coastal Trail impact operations? (9/19/23 Open House, Project Team Question/Comment)
- The percentage of traffic that turns onto California from the highway should be considered because of the number of automobiles heading towards the Fitzgerald Preserve. (Joan D., 9/27/23)
- Moss Beach Chevron (Vermont/Lancaster) PLN2017-00199: CDP approved 2021; BLD issued 2023: landscape planter along highway frontage to replace what was removed/paved over in 2011 without permit. Caltrans would not allow the curb and planters to encroach into the ROW. Project will include painted crosswalks and right-turn-only signage at the two remaining openings onto the highway. The privately paved ROW outside the fog line is commonly used as staging area for rushed turns, right or left, at any break in traffic, creating a wide block-long bike/ped no-man's land. There is vehicle access on Vermont providing safer, more predictable left turns onto the highway. Fuel delivery trucks with trailers enter on Vermont and exit with a right turn onto Hwy 1 at the south end of the gas station. Due to their placement, the direct highway access driveways proposed in Alt 2 won't work at all. (Lisa K, 9/22/23)



### Connecting streets in need of improvements – Cypress, Airport, Carlos

- I'm continuing to advocate for safe routes for pedestrians and cyclists in the Midcoast. It was great to see several pedestrian crossings and a multimodal trail as part of the Moss Beach Corridor proposals. Hopefully we can also work toward a safe bike path through Cypress Ave and Airport St that connects Moss Beach to Princeton and El Granada. (Michelle W, 9/20/23)
- The HWY1 project meeting in Half Moon Bay yesterday prompted me to bring an ongoing safety concern in Moss Beach to your attention. If you have just 3 minutes, please watch the video below, compiled from surveillance footage from my home on Cypress Ave in Moss Beach. It illustrates what residents have been dealing with. Speeding and recklessness are the norm on Cypress Ave from HWY1 to Airport St. Many drivers treat this section as a drag strip. With the Big Wave project adding even more vehicles, residents fear its only a matter of time before something catastrophic occurs. There have been multiple incidents on this stretch of road already. Video: Cypress Ave Speeding in Moss Beach - Immediately West of Hwy 1 <https://www.youtube.com/watch?v=ivZKW2JDveA> A nearby resident created a petition to demonstrate the local community's interest in slowing vehicles and improving safety here: <https://www.change.org/p/county-of-san-mateo-safe-streets-coastside-4bed45c1-9f38-4480-b1cc-a1b7e901c6c2> Writing on behalf of

my neighbors, I urge you to help us get this issue some attention. Anything to help with this would be appreciated. Thank you for your time (Balazs H., 9/20/23)

- This project needs to happen and its exciting to see planning to improve this area. Please, please consider Cypress Ave speeding just west of Hwy 1. A petition was created on [Change.org](https://change.org), "Safe Streets Coastside" with over 340 signatures to reduce speeds on Cypress Ave. This is becoming a serious safety issue as the Big Wave project continues development. Thank you! (Balazs H., 9/19/23)
- Request for bike/ped infrastructure connection to the intersection on Cypress Ave. Shared concerns about [speeding](#). Residents have signed a [petition](#). (9/19/23 Open House, Project Team Question/Comment)
- Request for bike/ped infrastructure connection to Cypress Ave and Airport St. Shared concerns about speeding. (9/19/23 Open House, Project Team Question/Comment)
- Want Carlos Street to be part of the project and for bike/ped improvements to go in (9/19/23 Open House, Project Team Question/Comment)
- I believe a vital link would be to improve Cypress Ave between Hwy One and Airport Ave. There is increased activity at the Marine Reserve park and Pillar Ridge Mobile Home park. The Big Wave project on Airport Ave will only increase traffic. (Randy D., 10/17/23)

#### **Project environmental impacts (noise, light, species, watershed, drainage)**

- Please don't use any noisy traffic calming measures like pavement cutting or speed bumps on either side of the dangerous intersection & blind curve at 16th Street & Hwy 1. (David A., 9/3/23)
- We live three doors from Calif. Ave & SR-1. Since a round-about is planned for this intersection, we are concerned about the effects of planning and construction and it's impact related to Street design & integration with our home, xxx California Ave, as well as the changes to the large/deep creek bed which may be within the boundary of the round-about. (William and Janet, 9/3/23)
- There are many properties that backup to Highway 1. There is a big concern when new lighting or signals are placed. Streetlights will shine into backyards that are normally dark. The lights would also shine into bedrooms or living rooms depending on which side of Highway 1 the property is located. Signals or flashing beacons introduce an annoying type of light. Please consider this when planning and designing the project. (9/19/23 Open House, Project Team Question/Comment)
- My concerns are: light pollution from traffic signals, (Theresa M, 9/19/23)
- Since you are widening the roadway and adding a curb and sidewalk have you looked into drainage and areas that currently pond. (9/19/23 Open House, Project Team Question/Comment)
- Major concerns: Add stormwater controls that protect the ocean. (Kathryn S., 9/19/23)
- I am also unclear on what lighting is proposed. (Graham B., 9/27/23)



### **Speeding up timeline for completion and/or project phasing due to pressing safety concerns**

- I have no quarrel with the proposed improvements just that they are long overdue - the timeline for completion is way too long. I was the victim of one of countless accidents on the corner of cypress avenue and HWY 1 on a Sunday morning on our way to my grandson's 5 year old birthday party. The car that hit me was coming out of cypress at about 20 miles an hour trying to get across highway 1. My daughter went to the ER with a neck injury, my partner sustained permanent damage to a finger, my car was almost totaled and out of commission for 6 weeks. While at the scene for about 2 hours, I learned from neighbors about the countless accidents at this intersection. This is a long standing known problem. How many more people will be injured before the completion date of 2030! Improvements need to be accelerated. There are no doubt a wide array of bureaucratic blocks to timely correction. In the interim, why not reduce - AND ENFORCE - the speed limit in areas through Moss Beach and remove the lower branches of the cypress trees by the corner to increase visibility. Seven more years - how many more people will suffer between now and then. (Ellen K, 9/18/23)
- What can be done to fast-track implementation? (9/19/23 Open House, Q+A After Presentation)
- Will project implementation be phased? We should start at Cypress Avenue. (9/19/23 Open House, Q+A After Presentation)
- 2030 for construction is far away. Can interim solutions be implemented? (9/19/23 Open House, Q+A After Presentation)
- Is there a way to accelerate the project. The timeline shown is too long. (9/19/23 Open House, Project Team Question/Comment)
- Can anything be done quicker? (9/19/23 Open House, Project Team Question/Comment)
- Concern about lengthy timeline (9/19/23 Open House, Project Team Question/Comment)
- Concern about timing of Cypress Point and whether this project could be fast tracked and should be built before Cypress Point is constructed (9/19/23 Open House, Project Team Question/Comment)
- Resident lives near Cypress and has witnessed 5 accidents on SR-1 in the last 4 /5 months. Do something today. (9/19/23 Open House, Project Team Question/Comment)
- Caltrans process is too long, and we can't wait for 10 years until something is changed on SR-1. Changes need to happen now. (9/19/23 Open House, Project Team Question/Comment)
- What the heck is taking so long? It's like the unincorporated residents don't matter until MidPen wants to put in a 71-unit project – then, the County starts up! (Neighbor, 9/19/23)
- Please build / improve Cypress intersection first. On Labor Day weekend there were 3 accidents at that intersection alone! (Cid Y., 9/19/23)

### Other solutions

- In Montara, Highway 1 has a center lane and an acceleration lane. I don't see that alternative here at all, and it seems like that would be cheaper than two roundabouts and a traffic signal. Why didn't we include that? (9/19/23 Open House, Q+A After Presentation)
- Remove the lower branches of the cypress trees by the corners to increase visibility. (9/19/23 Open House, Project Team Question/Comment)
- The shrubbery that grows over the highway blocks the view of oncoming traffic from the north at the California intersection. It needs to be trimmed more often or removed completely. (Joan D., 9/27/23)

### Lowering speeds and speed limits on SR 1 and increased enforcement

- My comments on Moss Beach SR-1 Corridor Study: I had discussion with two consultants on the Tuesday session regarding a speed limit of 45mph in the project area. They pointed out how roundabouts would help promote this goal. In discussions with earlier consulting teams they noted that changes to SR1 itself between California and 14<sup>th</sup> Street in Montara would be needed. How should this objective be frame to be added to project? (Len E, 9/22/23)
- Design SR1 in Moss Beach for a maximum speed of 45mph (9/19/23 Open House, Project Team Question/Comment)
- Lower posted speed limit within Moss Beach (9/19/23 Open House, Project Team Question/Comment)
- What can be done now, to make SR1 safer, especially at SR1/Cypress Ave intersection, and what can be done to lower the speed now, we cannot wait another 10 years for something to be done. (9/19/23 Open House, Project Team Question/Comment)
- What temporary solutions for lowering speed and increase safety on SR1 can we have until this project is constructed? (9/19/23 Open House, Project Team Question/Comment)
- Reduce - and enforce - the speed limit in areas through Moss Beach (9/19/23 Open House, Project Team Question/Comment)
- I would like to have a specific objective for the project of "lowering the speeds between California and 14th Street" stated with specific Engineering Speed Management Countermeasures suggested. Well marked Class 2 north/south bike lanes and curve indicators are two examples. (Len E., 9/28/23)
- The 50 mph speed limit on Highway One in Moss Beach makes it dangerous for pedestrians to cross the street, as well as for automobiles attempting to enter in either direction as there are no "on ramps" to allow the cars entering the highway to reach a speed to match the oncoming traffic. The existence of the Sheriff's offices in Moss Beach seems to have no deterrent effect on the speed of the traffic in either direction. (Joan D., 9/27/23)

### **Coordination with development projects**

- Is this project offering an invitation for hasty, money-making development without consideration for future residents of the coast? Observation: if developers genuinely want to help our marginalized citizens, ask them to declare their properties an "option to buy." Also, "Chasing" after possible funding will only make Highway 1 dangerous for the coastal community. I am referring to incompleting highway projects left abandoned for years. (Sandra B., 9/18/23)
- Is County aware of the Cypress Point project where there is a recommendation to close Carlos Street? Have traffic considerations for that been incorporated into this project? (9/19/23 Open House, Q+A After Presentation)

### **Project alternative selection criteria**

- What criteria will be used to pick among the alternatives? (9/19/23 Open House, Q+A After Presentation)
- How will decisions be made for picking a project alternative? Cost, environmental, etc.? Who decides? (9/19/23 Open House, Project Team Question/Comment)

### **Utility impacts and relocation**

- Who will pay for utilities relocations considering that Montara Water and Sanitary District is a small operator. (9/19/23 Open House, Project Team Question/Comment)
- Existing utility mains are shallow. Are any utilities going to be impacted? (9/19/23 Open House, Project Team Question/Comment)
- Major concerns: Work closely with sewer and water agencies. (Kathryn S., 9/19/23)

### **Transit**

- Regarding additional bus service this is a great idea and we have asked repeatedly for this, but SamTrans keeps cutting bus service citing cost. We need to get more express and frequent shuttles from Coastsides to Colma and Daly City BART and down the coast. With the maturing of driverless vehicle technology, the County should encourage SamTrans to explore this technology to make smaller more frequent express shuttles cost effective. If SamTrans does not then the County should consider operating its own driverless shuttle service to augment SamTrans. (Remi T, 9/25/23)
- Why was the Samtrans bus pick up / drop off on call not brought to Montara and Moss Beach. It stops pick up / drop off at the harbor area? (Gaylen E., 9/19/23)

## Other

- What is prioritized in Montara? (9/19/23 Open House, Project Team Question/Comment)
- We have lived at...since 1989. That is ... houses north of 14th and adjacent to Hwy 1 (w/ the old Hwy easement in between our house and Hwy 1). There has always been a safety issue for cars turning left onto 14th. Every year there are multiple accidents. We hear screeching tires and then the impact. Some fatalities over the years. 14th is the main south entrance to Montara. GPS instructions for non-locals doesn't warn of hazards of turning left. My wife and I would urge you to review the accident and fatality data at 14th and 1 and consider 1) if this current project will help and 2) if not, consider what can be done. This is a State Route 1 Congestion & Safety Improvement Project. (Steve H., 9/19/23)
- I am not sure if this would be part of future projects, but the intersections in Montara, specifically 8th Street and PCH, as well as 2nd Street and PCH are both VERY dangerous for pedestrians. I think a traffic signal, even if it was only in use on the weekends, would be a very good idea. At the very least a protected crosswalk at the 2nd/PCH location would at least help get pedestrians that park in the Montara neighborhood and walk to Montara State Beach, would get them to the beach and back to their car safer. My question is, is the Moss Beach work the last of the improvements to PCH, or will more projects be done in Montara? (Drew G., 9/27/23)
- The plans for this improvement appear to show Oak Ave being built out. None of the residents along Marine Ave nor Oak Ave will approve destroying the peaceful nature of these streets, turning a rural scene into another highly traveled corridor. (Gabor H, 9/19/23)
- What type of landscape are you installing and who is going to maintain it (9/19/23 Open House, Project Team Question/Comment)
- The schedule should have been published with the postcards so the public could be informed that a presentation was to be given at 6:30 p.m. During the presentation, the project alternatives slides should be marked with a "north" compass arrow. I support roundabouts. (Leslie O., 9/19/23)
- Chanda, How soon will the County have their Emergency Evacuation Plan? The Emergency Services Council voted in Jan. 2023 to put out a RFP but the MidPen EIR for Cypress Point stated that the County still does not have one!!! More and more accidents are happening on the Moss Beach Corridor as we wait for the improvements. (Cid Y., 9/3/23)

Attachment – T

JUSTIFICATION FOR THE ELIMINATION OF A  
ROUNABOUT OPTION AT 16<sup>TH</sup> STREET FROM FURTHER  
STUDY MEMORANDUM



AECOM  
4 North Second Street, Suite 675  
San Jose, CA 95113  
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**To:**  
Kelly Ma, Caltrans Project Manager  
Solomon Tesfe, Hung Do, Design, Caltrans D4

**Project name:**  
Moss Beach Congestion and Safety Improvement Project  
04-SM-1 R34.8/R35.9

**CC:**  
Liliana Price, SMCTA Project Manager

**Caltrans EA #: 04-0Y780K**

**From:**  
Maria Sedghi, AECOM Project Manager

**Date:**  
November 20, 2023

# Memorandum

**Subject: Moss Beach SR 1 Congestion and Safety Improvements Project  
Justification to Remove Roundabout Option at SR 1/16th Street from Further Study**

The purpose of this memorandum is to present justification for not moving forward with further evaluation of a roundabout as an intersection control option at the intersection of State Route (SR) 1 and 16th Street in Moss Beach.

16th Street is a two-way local east-west street that terminates approximately 800 feet to the east of SR 1 and connects to Moss Beach to the west. 16th Street provides access to the Point Montara Lighthouse and Montara Water and Sanitary District. 16th Street does not have sidewalks or accommodations for bicyclists. The intersection of SR 1 and 16th Street is currently minor-approach stop-controlled.

The following comment was received from Lance Hall, California Department of Transportation (Caltrans) Highway Operations:

*“A roundabout would also need to be considered at SR 1/16th Street, or documentation would need to be provided as to why it was rejected and is not being considered as an alternative in the PA&ED phase of the project.”*

This comment was discussed during the conference call with Caltrans on Wednesday, November 15, 2023. During the meeting, the AECOM design team explained that a roundabout concept was considered at the intersection of SR 1/16th Street and was found not to be feasible or practical to advance for further evaluation. At this meeting, it was suggested that Caltrans Design would need to concur with the elimination of the roundabout option. The AECOM design team was asked to submit this memorandum justifying the elimination of the roundabout option from further evaluation.

## **Justification for the Elimination of the Roundabout Option at SR 1/16<sup>th</sup> Street from Further Study**

After conceptual alternatives were developed and refined for the intersection of SR 1/16th Street, it was determined that a roundabout option was not feasible at this location for the following reasons:

1. Accommodating the roundabout at the intersection of SR 1/16th Street requires a significant large footprint which will require the acquisition of right of way from the Montara Water and Sanitary District.
2. The footprint of the roundabout encroaches into the side slopes of Montara Creek which outfalls to the James Fitzgerald Marine Reserve, which has been identified as an area of special biological significance. The roundabout will require the construction of a retaining wall, tree removal and the need for a California Fish and Wildlife 1602 Stream Bed Alternation Permit. The impacts to the creek will require mitigation for loss of habitat and the development of a Mitigation and Monitoring Plan.

3. The west side of SR 1 is in a cut section necessitating the construction of approximately 20-foot retaining wall located on Montara Water and Sanitary District's property. The retaining wall will require tree removal, shifting and reconstructing the District's access road towards the west.



4. The profile grade of SR 1 at this intersection is approximately 3.44 %. The profile crests approximately 700 feet south of the intersection. There are existing elevations differences between SR-1 and adjacent properties and local streets. The posted speed limit on SR 1 is 50 mph. Achieving the desired 25 mile-per-hour entry speed for the roundabout with the existing geometry to slow traffic speed from 50 mph to 25 mph minimum could not be achieved without a significant amount of roadway work as standard profile grades could not be achieved at the roundabout entry. The vertical difference between SR1 and existing property (Montara Water and Sanitary District) of approximately 16 feet, will create steep slopes along the eastern approach leg of the roundabout in order to conform to Montara Water District access road.



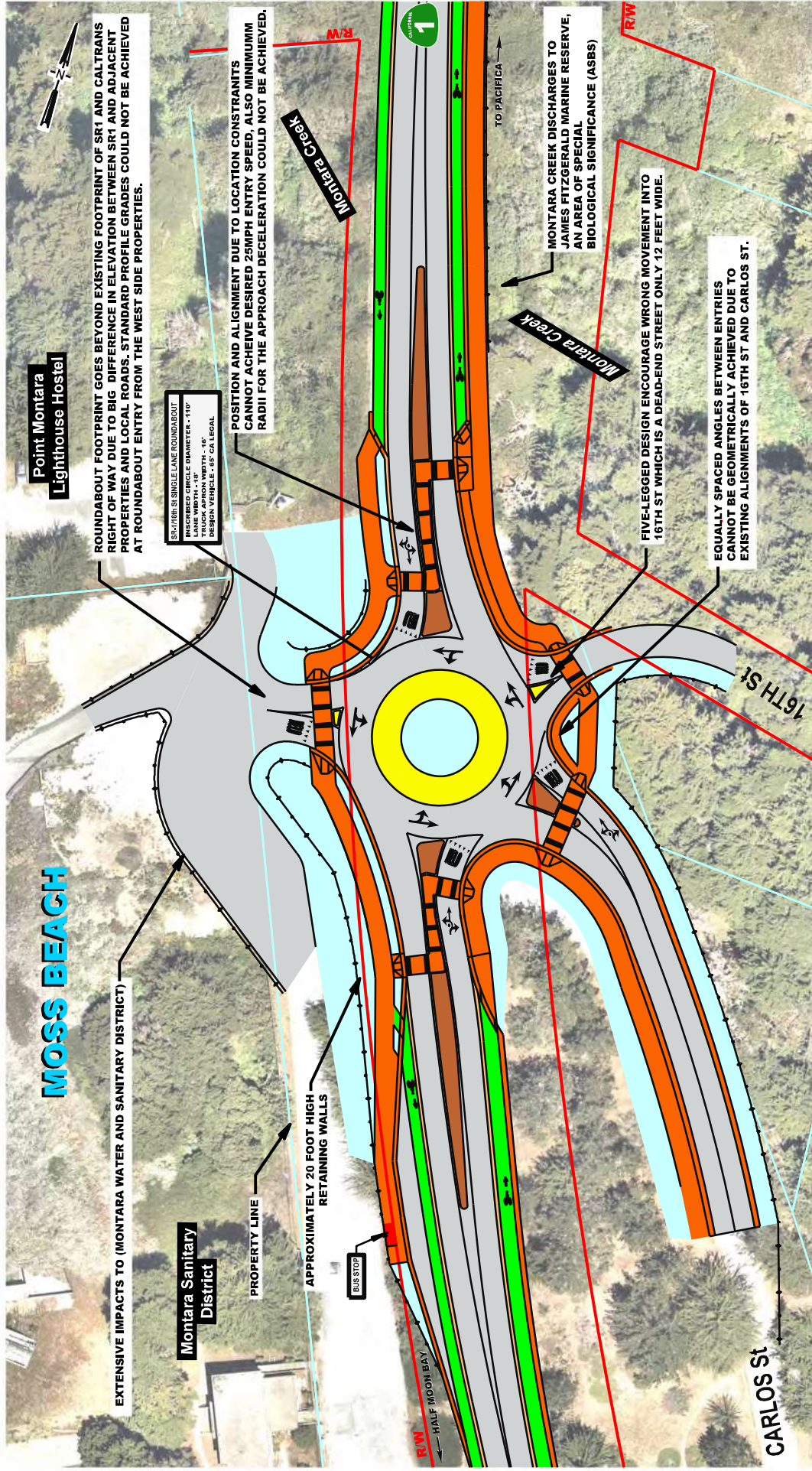
5. The five-legged roundabout will wrongly encourage northbound SR1 traffic to Carlos Street into the 16th Street, a dead-end street that only serves two private properties.
6. It is desirable to equally space the approach entries into the Roundabout. Equally spaced entries cannot be achieved due to existing alignments of 16th Street, Carlos Street and SR1.
7. The overall construction cost difference between the roundabout option and the signalized intersection is estimated at \$5 million. The roundabout will require an environmental mitigation and a 5-year monitoring plan, and the estimated costs can approach \$1M or more.
8. Construction of the roundabout will introduce the need for lane closures on SR 1, placement of temporary barriers for the construction of the retaining walls, temporary construction easement from the Montara Water and Sanitary District, environmental monitoring during construction, seasonal construction constraints for work adjacent to Montara Creek.

Attachment: 16th Street Roundabout Option Conceptual Drawing

# MOSS BEACH SR-1 CONGESTION AND SAFETY IMPROVEMENTS PROJECT

EA 04-0Y780, SR-1, PM 34.8/35.9

## 16TH ST ROUNDABOUT OPTION CONCEPTUAL DRAWING





# 04-0Y780-Moss Beach State Route 1 Final 022724\_ReducedFile

Final Audit Report

2024-02-28

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