ENVIRONMENTAL ASSESSMENT

for the

City of El Monte, California

Garvey Avenue Stormwater System Improvement Project

U.S. Environmental Protection Agency

Region 9

75 Hawthorne Street

San Francisco, California 94105

November 2016

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ACRONYMS

AQCRs	Air Quality Control Regions
AQMD	Air Quality Management Districts
CEQ	Council on Environmental Quality
cfs	Cubic feet per second
CO_2	Carbon dioxide
EO	Executive Order
EPA	U.S. Environmental Protection Agency
FWS	U.S. Fish and Wildlife Service
GCR	General Conformity Rule
GHG	Greenhouse gas
gpm	Gallons per minute
IPaC	Information for Planning and Conservation
$\mu g/m^3$	Micrograms per cubic meter
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NOx	Oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
PM_{10}	Particulate matter less than 10 microns in diameter
$PM_{2.5}$	Particulate matter less than 2.5 microns in diameter
ppb	Parts per billion
ppm	Parts per million
RECLAIM	Regional Clean Air Incentives Market
RCB	Reinforced concrete block
RCP	Reinforced concrete pipe
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan

SECTION A.
PROPOSED PROJECT AND FUNDING STATUS

1. Project Purpose and Need

Water Quantity Problems and Inadequate System or System Components

Storms regularly flood Garvey Avenue in the City of El Monte, California (Figure 1), where the street passes under the Southern Pacific Railroad at the Garvey Avenue underpass. The existing stormwater pumps and conveyance pipes draining the underpass are insufficient to effectively convey stormwater from the street's surface to the intended storm drainage facilities.

Each year during the rainy season, flooding occurs in the Garvey Avenue underpass in the City of El Monte. The existing Garvey Avenue underpass pump station was constructed in 1934, and land use surrounding it has changed over the past 82 years. The pumps were replaced within the last 10 years, but the pump station is still insufficient to handle the stormwater load at the Garvey Avenue underpass from minor and major (the 100-year storm) precipitation events.

The existing Garvey Avenue underpass pump station consists of a 6-foot by 9-foot, 4-inch concrete sump with two submersible pumps with a combined capacity of 1,400 gallons per minute (gpm). The pumps transfer water from the underpass into a catch basin on the corner of Garvey Avenue and Valley Boulevard, which drains into a City of El Monte storm drain system along Valley Boulevard that conveys flow to the Rio Hondo Channel to the west. This flow configuration has proved to be deficient.

In addition, northeast of the Garvey Avenue underpass, three existing 24-inch culverts convey stormwater from Exline Street north of Interstate 10 (I-10), under the expressway, and to outlets on Maxson Road south of I-10. Surface drainage from that point is deficient.

The purpose of this project is to improve the storm drain lines and pump station, and it is needed to address the system's insufficient capacity to remove stormwater from Garvey Avenue.

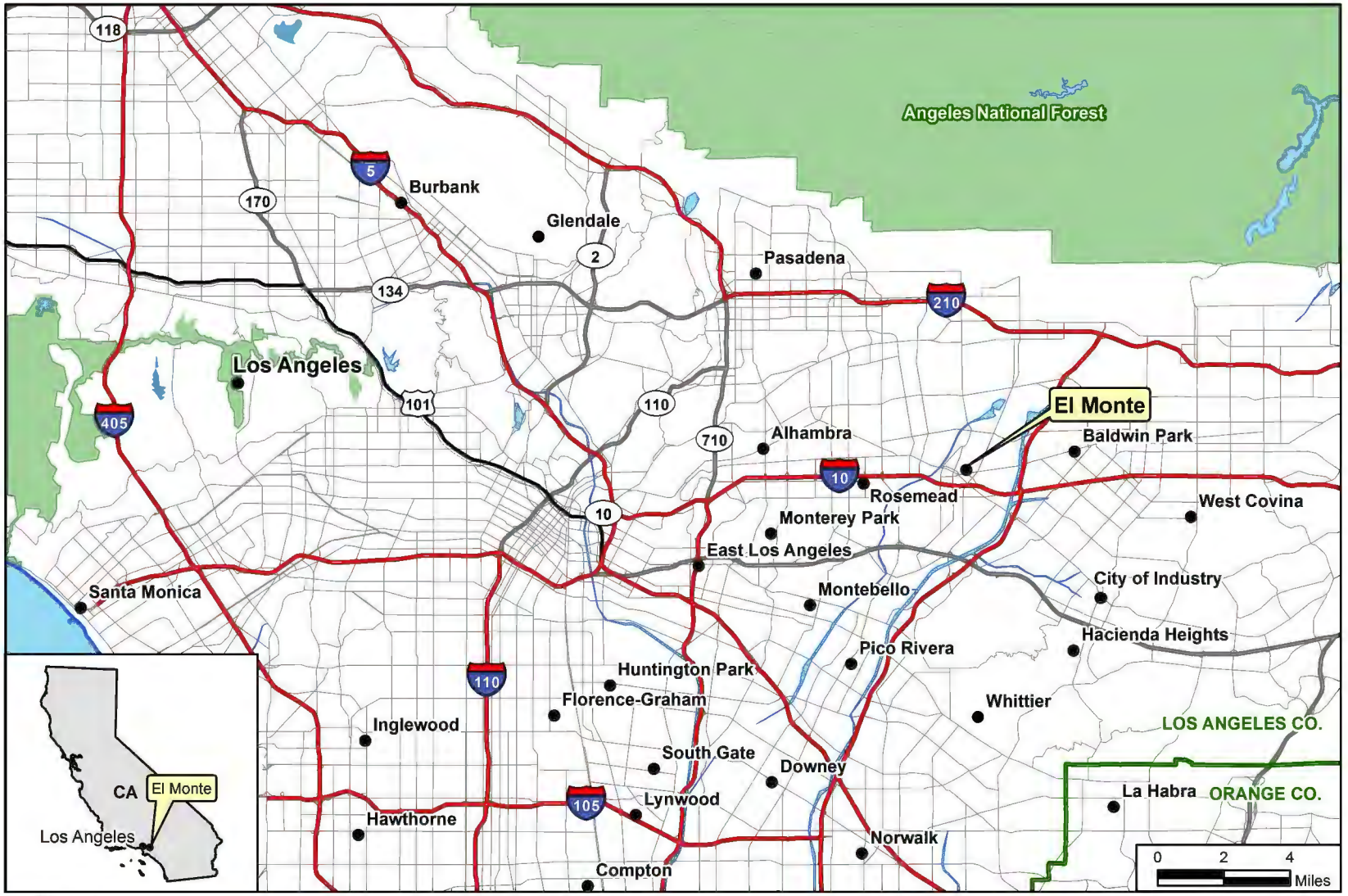
2. Project Description

Project Summary

The City of El Monte proposes to construct two new storm drain lines and upgrade the existing pump station to minimize flooding at the Garvey Avenue underpass. The new storm drain lines would convey the outflow from the new pump station to a new outfall on the San Gabriel River, divert some stormwater away from the underpass, and connect to an existing Los Angeles County Flood Control District (LACFCD) storm drain (Durfee storm drain). The existing pump station and pumps would be replaced with a larger capacity pump station and pumps.

Planning Area Description

The proposed project would occur in the City of El Monte, California, in Los Angeles County. The City of El Monte is the eastern part of Los Angeles County, between Alhambra to the west and Baldwin Park to the east. The project site is located near I-10 and Garvey Avenue and is generally bounded by the triangular area formed by the San Gabriel River, the Southern Pacific Railroad, I-10, and Valley Boulevard (Figure 2).



LEGEND

- Interstate
- U.S. Route
- State Route
- Road
- County Boundary
- Surface Water
- National Park/Forest/ Recreation Area

General Location

El Monte, California

Figure 1

LEGEND

- Existing Storm Drain
- Proposed Storm Drain - Line A
- Proposed Storm Drain - Line B

Project Components

El Monte, California

Figure 2

Planning Period

Project planning began with commissioning a preliminary design study and report, which was completed in 2010. Proposals from contracting firms are due to the City of El Monte in the latter part of 2016, with award and project commencement to follow.

Description of Project Construction Phases

Details of construction phases will not be known until a project design has been selected by the City of El Monte.

Owner and Operator of the Facilities

The City of El Monte owns, operates, and maintains the stormwater facilities. Incorporated in 1912 as a general law city, the City of El Monte is the hub of the San Gabriel Valley, located approximately 12 miles east of downtown Los Angeles, and is the ninth largest city in Los Angeles County, with a population of approximately 120,000. The City of El Monte occupies a 10-square-mile area and is primarily built out, with a few remaining undeveloped parcels.

Location of the Facilities

The project area is in the southeastern area of the City of El Monte adjacent to the neighboring cities of Baldwin Park and the City of Industry. The area is bounded to the north by I-10, to the east by the San Gabriel River, to the south by Valley Boulevard, and to the west by the Southern Pacific Railroad. The Garvey Avenue underpass separates traffic on Garvey Avenue from the Southern Pacific Railroad tracks.

Figure 2 shows the project components, including the Garvey Avenue underpass pump station and the alignment of the proposed storm drain lines. The pump station is located at Latitude 34° 3' 47.6166" and Longitude -118° 0' 55.9542". New storm drain Line “A” would begin at the intersection of Garvey Avenue and Durfee Avenue, align southward along Durfee Avenue, eastward along Gilman Road, northward along the east boundary of the Alfred S. Madrid Middle School, and discharge to the San Gabriel River. Proposed storm drain Line “B” would extend from the northern point of Maxson Road southward, along Garvey Avenue eastward, along Durfee Avenue southward, and discharge to the existing storm Durfee storm drain.

3. Relevant Design Parameters

Description of Major Unit Processes

The project includes three components: (1) a new pump station building, (2) three new pumps and one sump pump, and (3) two new storm drain pipes. The existing pump station at the Garvey Avenue underpass would be demolished and replaced with a new, larger-capacity pump station. The conceptual design specifies a pump station with three 9,000-gpm pumps [20 cubic feet per second (cfs)] and one 2,200-gpm (4.9 cfs) sump pump. One of the three 9,000-gpm pumps would be a backup pump, and the sump pump would not operate when the main pumps are running. Total pump station capacity would be approximately 60 cfs. The new pump station footprint would be roughly 48 feet by 20 feet and would include an adjacent electrical room with a footprint of roughly 12 feet by 21 feet. A new storm drain (Line A) would be installed to convey flow from upstream portions of the existing Durfee storm drain plus the outflow from the new pump station directly to the San Gabriel River. The second storm drain (Line B) would be installed to divert stormwater from areas upstream of the underpass near Maxson Road to the existing Durfee storm drain to reduce the hydraulic loading to the new pump station.

Flow Diagram

Figure 2 shows the proposed new storm drains (Lines A and B) and the proposed replacement pump station. All flow in Lines A and B would eventually discharge to the San Gabriel River.

Sewer/Water Pipe Lengths, Sizes, and Locations

Line A

Multiple catch basins at the upstream end of the existing Durfee storm drain would be re-routed into the proposed Line A along with the stormwater collected at the pump station. Line A would consist of 515 feet of 54-inch-diameter reinforced concrete pipe (RCP) and 2,318 feet of 72-inch-diameter RCP and would directly discharge into the San Gabriel River at Gilman Road, adjacent to the middle school.

Line B

To reduce hydraulic loading of the pump station, proposed Line B, a reinforced concrete box (RCB) storm drain, would be installed to intercept stormwater runoff from Maxson Road and convey it to the existing 48-inch RCP Durfee storm drain, just south of Garvey Avenue. Line B would consist of 931 feet of 3-foot-high by 5.5-foot-wide RCB and 340 feet of 4-foot-high by 5.5-foot-wide RCB storm drain.

Basic Design Criteria

Basic design parameters include the storm hydrograph for the pump station, maximum design flow for various portions of the system during a 50-year storm, available pipe slope, and water elevation at the pipe outlet. The flow data are used to determine the required pump capacity, and pipe sizes are determined based on flow and pipe slope.

Design Storm(s)

System design is based on hydraulic estimates using a 50-year storm.

Description of Major Stormwater Components (Structural and Non-Structural)

The major stormwater components are two new storm drain lines and an upgraded pump station to minimize flooding at the Garvey Avenue underpass. The new storm drain lines would convey the outflow from the replaced pump station to a new outfall on the San Gabriel River, divert stormwater away from the underpass, and connect to the existing Durfee storm drain.

4. Project Cost

Proposed Total Project Cost

Estimated Total Cost of Construction: $3,868,313

Portion of Total Project Cost Funded by EPA

U.S. Environmental Protection Agency funded portion: $485,000

SECTION B.
EXISTING STORMWATER SYSTEM

1. Existing Stormwater System

Detailed Description of Existing Stormwater System

In the existing stormwater system, water from the vicinity of the Garvey Avenue underpass, including flow from the Maxson Road area, is pumped to an existing storm drain that ultimately discharges to the Rio Hondo Channel to the north. The existing Durfee storm drain currently conveys stormwater from the Durfee Avenue area to the San Gabriel River.

Description of Major Structural Components

The existing Garvey Avenue underpass pump station was constructed in 1934. It consists of a 6-foot by 9-foot, 4-inch concrete sump with two submersible pumps. The pumps were replaced within the last 10 years and have a combined capacity of 1,400 gpm (3.1 cfs). The existing discharge is pumped from the underpass into a catch basin located on the corner of Garvey Avenue and Valley Boulevard. The catch basin discharges to a City of El Monte storm drain system along Valley Boulevard that conveys flow to the Rio Hondo Channel. This flow configuration has proved to be deficient and needs to be realigned.

The existing storm drains at the project site consists of a 48-inch storm drain line (MTD 562), owned by the LACFCD, that drains south on Durfee Avenue towards Valley Boulevard and ultimately to the San Gabriel River. The upstream end of the Durfee storm drain system has multiple catch basins that receive surface runoff on the northerly corners of Durfee Avenue and Garvey Avenue. Three existing 24-inch culverts convey stormwater from Exline Street under I-10 and outlets on Maxson Road.

Design Parameters/Performance Criteria/Permits

The City of El Monte is a permittee under the *Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, Except those Discharges Originating from the City of Long Beach MS4* issued by the Los Angeles Regional Water Quality Control Board (Order No. R4-2012-0175), which also serves as a National Pollutant Discharge Elimination System (NPDES) permit under the Federal Clean Water Act (NPDES No. CAS004001) and as Waste Discharge Requirements under California law (*Municipal NPDES permit*).

2. Existing System Performance

The proposed improvements are expected to address the current system inadequacies in managing stormwater flow.

SECTION C.
NEED FOR PROPOSED PROJECT

1. Expanded Description of Need

The stormwater collection system owned by the City of El Monte in the vicinity of the Garvey Avenue underpass uses a pump station and drain lines to convey stormwater runoff into the storm drain system. Each year, during the rainy season, flooding occurs in the underpass, and city personnel must devote time to respond to traffic disruptions, including towing of motor vehicles that become trapped. The reason for flooding and traffic disruptions at this underpass is the limited capacity of the stormwater pump and drainage facilities and additional flow from Caltrans' roadway improvements upstream. The Garvey Avenue underpass was built in 1934. Land use surrounding the underpass has changed over the past 82 years. The existing pump station is insufficient to effectively convey stormwater runoff into the storm drain system.

2. Land Use Projections/Impervious Cover/Pollutant Sources

Continuing development in the area over the 82 years since the Garvey Avenue underpass was constructed resulted in the stormwater pumps and conveyance pipes being inadequate for the current quantity and flow of stormwater during precipitation events. Impervious cover in the area is nearly 100 percent. The project would not create a new pollutant source.

3. Calculations and Assumptions for Forecasted Flow

Table 1 presents the results of hydraulic calculations for storm drain pipes from areas contributing to each proposed storm drain pipe. Figure 3 presents the 50-year storm hydrograph used to design the pump station, which shows a short-term peak flow of 57 cfs.

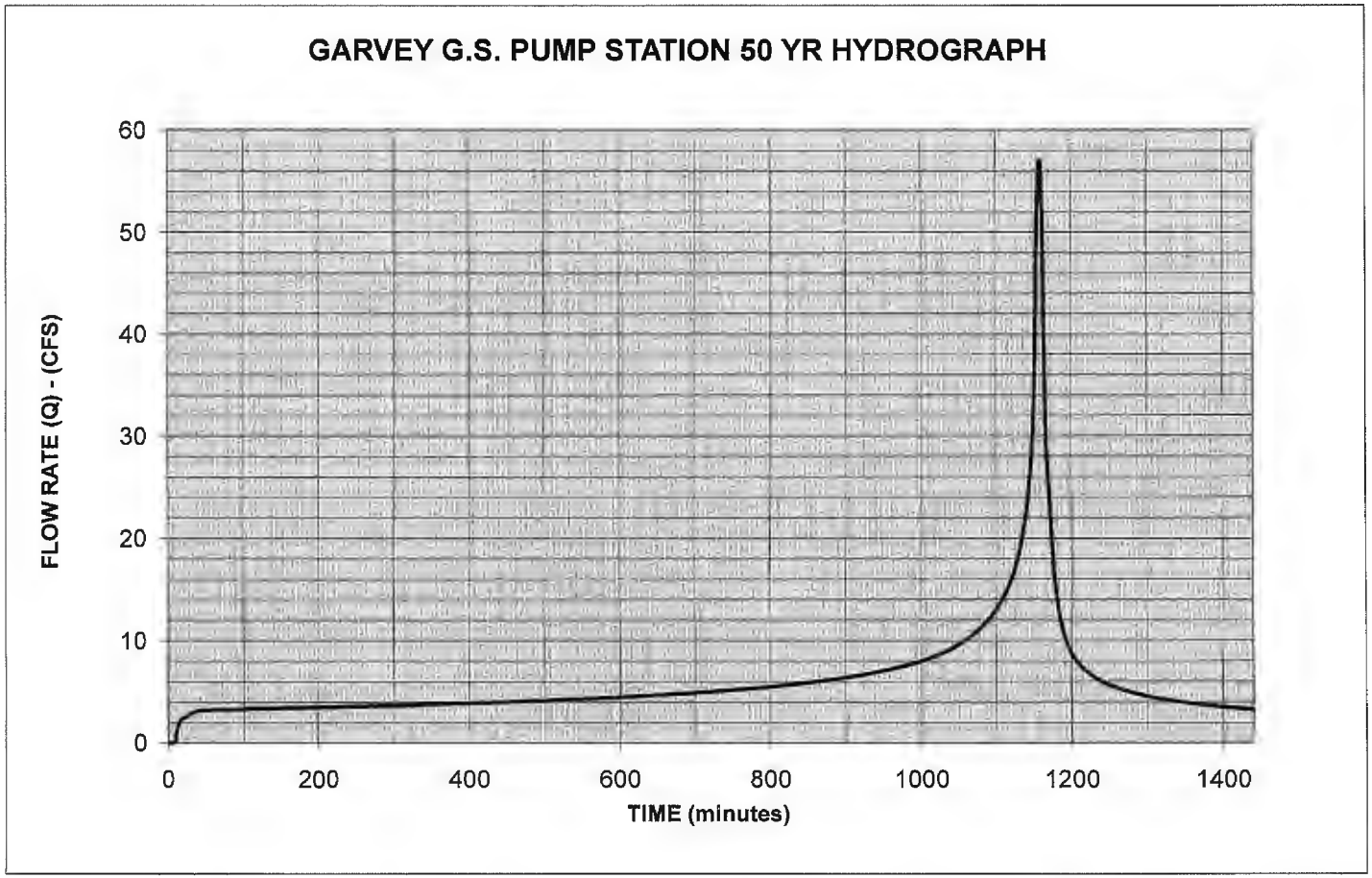
Table 1.
Summary of the results of the hydrology analyses

	Storm Returns Period	Area (acres)	Flow at Storm Drain Outfall (cfs)
Durfee (Line A)	10-year	124.5	74.05
	50-year		151.24
Maxson (Line B)	10-year	48.3	51.2
	50-year		86.8

4. Future Environment without the Project

The flow capacity of existing pump station at the Garvey Avenue underpass is inadequate to handle existing stormwater flow during the rainy season. When heavy rain occurs, the underpass becomes flooded creating a requirement to close the road and redirect traffic. Motorists who attempt passage through the flooded roadway can become stranded. City personnel must devote time to respond to traffic disruptions, including towing of motor vehicles which become trapped at this underpass, even after the road is closed. These events will continue to occur periodically until project improvements are implemented.

Storm Day 4
Reduction Factor = 1.0
Total Runoff = 12.147 Acre-Ft
Peak Q = 57.05 CFS @ 1158 minutes



Garvey GS Pump Station 50-Year Hydrograph

Figure 3

SECTION D.
ANALYSIS OF ALTERNATIVES

1. Development of Alternatives

No-action

Under the no-action alternative, the Garvey Avenue underpass pump station would not be replaced, and new stormwater drain lines would not be constructed. The stormwater pump and drainage facilities would remain inadequate and unable to sufficiently convey stormwater from the underpass. Flooding in the underpass during the rainy season would continue, and city personnel would have to close the road when it floods and tow motor vehicles that become trapped in the flood waters.

Optimum Utilization of Existing Facility

Use of the existing system with no structural change cannot be optimized to improve the current situation.

New Construction Alternatives

Only one construction alternative, as detailed in Section A, has been proposed by the City of El Monte. No other construction alternative will meet the scope of the project.

2. Identification of Selected Alternative

The preferred alternative is the proposed project described in Section A.

SECTION E.
EXISTING ENVIRONMENT, ENVIRONMENTAL CONSEQUENCES AND MITIGATION MEASURES

1. Existing Environment

Public Health Problems Due to Water Quality

There are no public health problems due to water quality because this stormwater system is not a source of drinking water, operates only intermittently, and does not otherwise present potential exposure pathways for the public.

Water Quality Problems, Fish Kills, etc.

Surface water in the project area and other nearby areas drains toward the San Gabriel River (AECOM 2010), but no water quality issues are known or cited as reasons for implementing the proposed action. There are no water quality problems associated with the stormwater system because it operates only intermittently, does not support fish and wildlife populations, and does not otherwise affect environmental receptors impacted by changes in water quality.

Surface & Ground Water Hydrology

Surface water in the project area generally drains to the east towards the San Gabriel River (AECOM 2010). The general regional groundwater flow pattern is southward and westward from the Central Coastal Plain toward the ocean (DWR 2004). The project area is adjacent to the San Gabriel River, as shown in Figure 4.

Drinking Water Sources and Supply

There are no drinking water sources associated with the stormwater system.

Physiography, Topography, Geology & Soils

The proposed project area is in the San Gabriel valley. The streets within the project area are relatively flat with approximate ground slope of 0.5% (AECOM 2010). The grades within the Garvey Avenue underpass are significantly greater at approximately 3% to dip under the railroad tracks. The area generally drains to the east toward the San Gabriel River. The entire site is in an area that is subject to liquefaction (CDC 1999). Figure 5 shows the area geology.

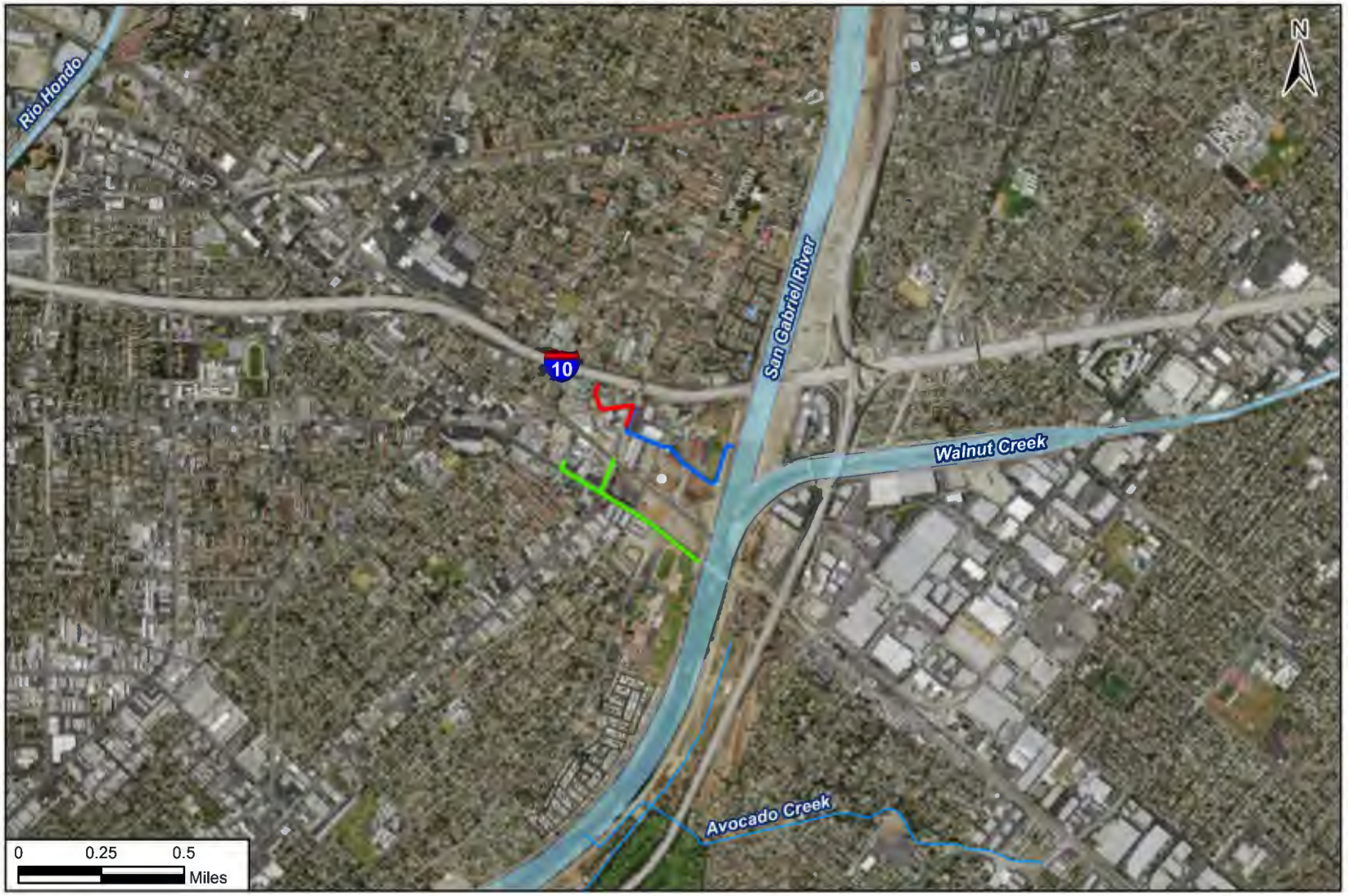
Federally Endangered & Threatened Species

A report for the project area was generated through the USFWS's Information for Planning and Conservation (IPaC) online system (see Appendix C). The system provides background information on listed species in an area of interest. A USFWS list of threatened and endangered species also was generated for the project area (Appendix C). Three Federally listed species have the potential to occur in the area (FWS 2016a, 2016c):

- Coastal California Gnatcatcher (*Polioptila californica californica*): (Federal: Threatened) (FWS2016a). They generally prefer open sage scrub, with California sagebrush as a dominant or co-dominant species, and are more abundant near areas where sage scrub transitions to chaparral (Mock 2004). Small, disjunct populations of the species have been documented in Los Angeles County.

- Least Bell's Vireo (*Vireo bellii pusillus*): (Federal: Endangered) (FWS 2016a). They inhabit dense, low, shrubby vegetation in generally early successional stages in riparian areas, brushy fields, young second-growth woodland, and coastal chaparral near water in arid regions (CLO 2015).
- Nevin's Barberry (*Berberis nevinii*): (Federal: Endangered) (FWS 2016a). Nevin's barberry is an evergreen shrub, historically found in scattered areas throughout Los Angeles, San Bernardino, Riverside, and possibly San Diego Counties. It is found in a variety of topographical conditions ranging from nearly flat sandy washes, terraces, and canyon floors to ridges and mountain summits (CDFW 2013).

Because the project location is a developed, highly urbanized area, no suitable habitat exists for any of these species. Therefore, the project would have "no effect" on listed species, and formal consultation with the USFWS under Section 7 of the Endangered Species Act is not required.



LEGEND

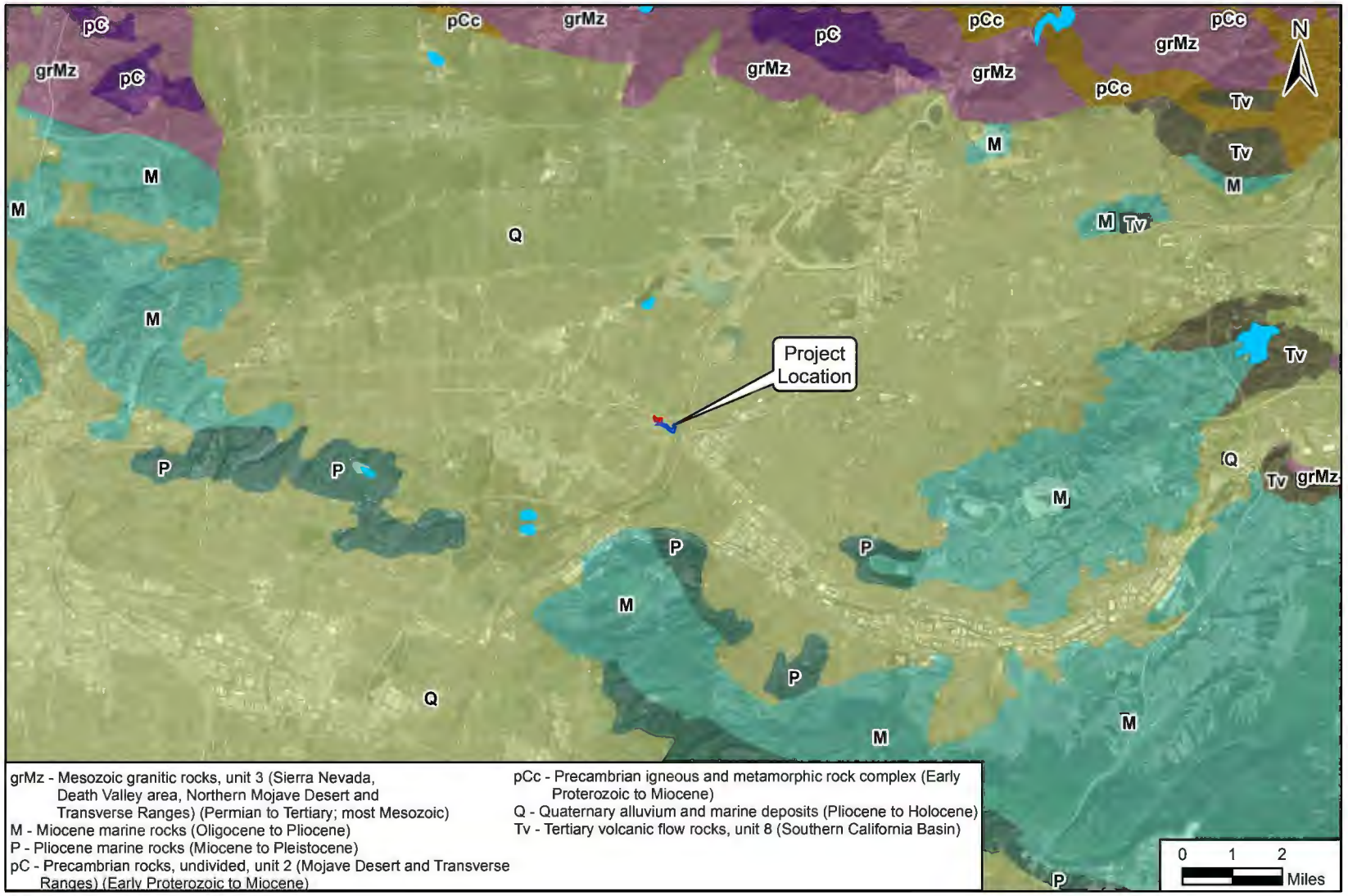
- Existing Storm Drain
- Proposed Storm Drain - Line A
- Proposed Storm Drain - Line B

Surface Waters

El Monte, California

Figure 4

Source: USGS 2016.



grMz - Mesozoic granitic rocks, unit 3 (Sierra Nevada, Death Valley area, Northern Mojave Desert and Transverse Ranges) (Permian to Tertiary; most Mesozoic)
M - Miocene marine rocks (Oligocene to Pliocene)
P - Pliocene marine rocks (Miocene to Pleistocene)
pC - Precambrian rocks, undivided, unit 2 (Mojave Desert and Transverse Ranges) (Early Proterozoic to Miocene)
pCc - Precambrian igneous and metamorphic rock complex (Early Proterozoic to Miocene)
Q - Quaternary alluvium and marine deposits (Pliocene to Holocene)
Tv - Tertiary volcanic flow rocks, unit 8 (Southern California Basin)

LEGEND

Proposed Storm Drain - Line A

Proposed Storm Drain - Line B

Area Geology

El Monte, California

Figure 5

Source: USGS 2005.

Archeological and Architectural Cultural Resources

To comply with the substantive requirements of Section 106 of the National Historic Preservation Act, EPA has defined the archaeological area of potential effects (APE) as the surfaces and depths that would be disturbed by excavation and storm drain installation activities, as well as the footprint of the Garvey Avenue underpass pump station building. The historical architectural APE is the pump station and the pipes and culverts that may be replaced that are 50 years or older. Staging areas would be limited to paved parking lots and areas along the APE and outside of the public right of way. No undertaking-related activities would occur outside of the APE.

EPA conducted a records search of the archaeological APE and surrounding areas via the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System (CHRIS) (Records Search File No.: 16371.2401). For the records search, the study area included a 1-mile buffer centered on the APE of the new storm drains. While no part of the APE has been previously surveyed, and no resources have been recorded within the APE, 39 surveys have been conducted within the study area, and 18 resources have been recorded in the same area.

The 39 surveys conducted within the study area were completed between 1969 and 2012 (one of the surveys was undated). The following 18 resources previously recorded within the study area (but outside the APE) include 1 prehistoric archaeological site, 11 historic buildings, 1 historic district, 1 historic highway/trail, 1 historic railroad, and 3 historic transmission/utility lines, which are detailed below:

- The prehistoric archaeological site (P-19-000136/CA-LAN-000136) is a habitation with burials on the opposite side of the San Gabriel River.
- The historic buildings (P-19-188913, P-19-188914, P-19-188915, P-19-188916, P-19-188917, P-19-188918, P-19-188919, P-19-188921, P-19-188922, P-19-188923, and P-19-188924) are concentrated in Baldwin Park on the opposite side of I-605 and the San Gabriel River.
- The historic district, consisting of the Woodland Duck Farms and Equestrian Center/Louise A. Ward Residence (P-19-004079/CA-LAN-004079H), is on the opposite side of the San Gabriel River.
- The historic highway/trail (P-19-187085/The Mojave Road) corresponds with Ramona Boulevard, north of I-10.
- The historic railroad is the Southern Pacific Railroad/Union Pacific Railroad (P-19-186112) adjacent to the Garvey Avenue underpass pump station.
- The three transmission/utility lines (P-19-188983/Los Angeles Department of Water and Power Boulder Lines North and South, P-19-190504/Southern California Edison Rio Hondo-Amador-Jose-Mesa-Narrows 66kV Transmission Line, and P-19-186876/Southern California Edison Eagle Rock-Pardee and Antelope-Vincent No.1 220kV Transmission Line Corridor) are along Ramona Boulevard, north of the I-10, and along the I-605/San Gabriel River corridor.

In addition to the above previously recorded resources, the Garvey Avenue underpass pump station is of historic age (50 years or older), as it was constructed in 1934 according to the original plans. It was evaluated for eligibility for listing in the National Register of Historic Preservation (NRHP) for this project by a qualified architectural historian who meets the Secretary of the Interior's Professional Qualifications. The evaluation determined that the pump station is not

NRHP-eligible. The Southern Pacific Railroad/Union Pacific Railroad, (P-19-186112), was not formally evaluated but was part of a reconnaissance survey (CRM Tech 2010), which found that the rail lines had been upgraded and undergone maintenance activities as part of their ongoing use and did not demonstrate historical characteristics.

Given the proximity of the archaeological APE to the San Gabriel River and prehistoric archaeological site P-19-000136/CA-LAN-000136, the archaeological sensitivity of the areas of storm water pipe excavations is evaluated as moderate at present, in the absence of a more detailed sensitivity study.

The California Native American Heritage Commission (NAHC) was consulted about the Garvey Avenue Underpass Project and responded that sacred sites have been identified by the Gabrielino Band of Mission Indians–Kizh Nation as within the project region. EPA is pursuing a concurrent government-to-government consultation with the Soboba Band of Luiseno Indians, as well as seeking and considering the input of the Gabrieleno Band of Mission Indians–Kizh Nation, Gabrieleno/Tongva San Gabriel Band of Mission Indians, Gabrieleno/Tongva Nation, Gabrielino Tongva Indians of California Tribal Council, and Gabrieleno/Tongva Tribe.

Based on the information presented above and pursuant to Section 106 of the NHPA, EPA made a determination of “no historic properties affected” for this project. EPA conveyed this finding of effect to the California State Historic Preservation Office (SHPO) in a letter dated August 24, 2016, and the SHPO concurred with this finding on September 21, 2016 (Appendix B). In its letter, SHPO did not object to the identification and delineation of the APE, concurred with the finding that the existing storm drain system is not eligible for listing on the NRHP, and did not object to the finding of “no historic properties affected” for the proposed undertaking.

Air Quality

California is divided into Air Pollution Control Districts and Air Quality Management Districts (AQMD), which are also called air districts. These agencies are county or regional governing authorities that have primary responsibility for controlling air pollution from stationary sources. The City of El Monte is located within the South Coast Air Basin. Its air quality is regulated by EPA Region 9 and California’s South Coast AQMD (SCAQMD).

Criteria Air Pollutants

EPA established primary and secondary National Ambient Air Quality Standards (NAAQS) (Title 40 of the *Code of Federal Regulations* part 50) that specify acceptable concentration levels of six criteria pollutants: particulate matter (measured as both particulate matter less than 10 microns in diameter [PM_{10}] and particulate matter less than 2.5 microns in diameter [$PM_{2.5}$]), sulfur dioxide, carbon monoxide, oxides of nitrogen (NOx), ozone, and lead. Short-term NAAQS (i.e., 1-, 8-, 24-hour periods) have been established for pollutants contributing to acute health effects, and long-term NAAQS (annual averages) have been established for pollutants contributing to chronic health effects. Each state has the authority to adopt standards more stringent than those established under the federal program. California’s SCAQMD adopted California’s Standards; federal standards also continue to apply.

Federal regulations designate air quality control regions (AQCRs) in violation of the NAAQS as *nonattainment areas*. Federal regulations designate AQCRs with levels below the NAAQS as *attainment areas. Maintenance areas* are AQCRs that have previously been designated as nonattainment and have been redesignated to attainment for a probationary period through implementation of maintenance plans.

EPA has designated the portion of Los Angeles County where the action is located as a nonattainment area for lead (through December 31, 2015), $PM_{2.5}$, and ozone, and as a maintenance area for PM_{10}, carbon monoxide and NO_2. For reference purposes, Table 2 shows the monitored concentrations of criteria pollutants for South Coast Air Basin.

Lead

On February 11, 2014, EPA's Regional Administrator signed a final rule to approve the 2012 Los Angeles County Lead Attainment State Implementation Plan (SIP). The plan was developed and adopted by the SCAQMD, adopted and submitted by the California Air Resources Board, and shows how the area will attain the lead standard by the attainment date of December 31, 2015.

$PM_{2.5}$

On March 15, 2016, EPA finalized action on the South Coast 2012 $PM_{2.5}$ Plan and 2015 Supplement, which address Clean Air Act requirements for the 2006 $PM_{2.5}$ NAAQS. EPA approved the demonstration that the South Coast cannot practicably attain by the Moderate area attainment date of December 31, 2015, and disapproved the following portions of the plan:

- The demonstration that the plan provides for the implementation of reasonably available control measures and reasonably available control technology due to deficiencies in the 2010 version of the area's Regional Clean Air Incentives Market (RECLAIM) included in the plan.
- The demonstration that the plan provides for reasonable further progress.

To correct these deficiencies, California must submit to EPA a demonstration that the $PM_{2.5}$ RECLAIM program, either as adopted in 2010 or as subsequently amended, ensures emissions reductions equivalent in the aggregate to the reductions anticipated from the direct application of reasonably available control technology on covered sources.

Ozone

On August 13, 2014, EPA approved the South Coast 1-Hour ozone attainment demonstration. The revised plan demonstrates attainment of the 1-hour ozone standard in the South Coast area in 2022. Although EPA replaced the 1-hour ozone standard with a more health protective 8-hour standard, the Clean Air Act requires that California have approved plans in place for attaining the 1-hour standard in 1-hour ozone nonattainment areas. EPA noted that air quality has been steadily improving in the South Coast. Since 1985, there have been 95 percent fewer exceedances of the 1-hour ozone standard.

PM_{10}

On June 12, 2013, EPA approved the South Coast PM10 redesignation request and maintenance plan. This plan, known as a SIP, is the roadmap to maintaining the 1987 PM10 NAAQS set by EPA to protect public health for ten years. The area has not violated the 24-hour PM10 standard since 2008.

Carbon Monoxide

On April 24, 2007, EPA approved the South Coast maintenance plan and redesignation request for carbon monoxide. The plan, prepared by the SCAQMD and the California Air Resources Board, shows that the area will have in place the controls necessary to maintain the carbon monoxide standard through the year 2020.

Nitrogen Dioxide

On January 15, 2009, EPA approved in part and disapproved in part the South Coast 2003 1-hour ozone plan and the NO2 maintenance plan. EPA approved the revised nitrogen dioxide maintenance demonstration based on the downward trend in baseline NOX emissions. The disapproved portions of the plan were not required by the Clean Air Act.

Table 2.
Air Quality Standards and Monitored Data

	Air Quality Standard		Monitored Concentrations		
Pollutant	**Level**	**Averaging Period**	**2013**	**2014**	**2015**
Lead					
Federal					
3-month average (µg/m^3)	0.15	Rolling 3-month average	<no data> [A]		
State					
30-day average (µg/m^3)	1.5	30-day average, not to be equaled or exceeded	<no data> [A]		
Carbon monoxide					
Federal					
1-hour (ppm)	35	Not to be exceeded more than once per year	5.8	5.8	4.4
8-hour (ppm)	9		N/A	N/A	N/A
State					
1-hour (ppm)	20	Not to be exceeded	5.8	5.8	4.4
8-hour (ppm)	9		N/A	N/A	N/A
Nitrogen dioxide					
Federal					
1-hour (ppb)	100	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years	<No data> [B]		
Annual mean (ppm)	0.053	Annual mean	<No data> [B]		
State					
1-hour (ppm)	0.18	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years	<No data> [B]		
Annual mean (ppm)	0.03	Annual mean	<No data> [B]		
Ozone					
Federal					
8-hour (ppm)	0.07	3-year average of the fourth highest daily maximum	0.122	0.11	0.127
State					
1-hour (ppm)	0.09	Not to be exceeded	0.151	0.141	0.144
8-hour (ppm)	0.07	3-year average of the fourth highest daily maximum	0.123	0.111	0.128
Sulfur dioxide					
Federal					
1-hour (ppb)	75	99th percentile, averaged over 3 years	<No data> [C]		
3-hour (ppm)	0.5	Not to be exceeded more than once per year	<No data> [C]		
State					

Table 2.
Air Quality Standards and Monitored Data

	Air Quality Standard		Monitored Concentrations		
Pollutant	**Level**	**Averaging Period**	**2013**	**2014**	**2015**
1-hour (ppm)	0.25 ppm	99th percentile, averaged over 3 years	<No data> [C]		
24-hour (ppm)	0.04 ppm	Not to be exceeded	<No data> [C]		
$PM_{2.5}$					
Federal					
24-hour (µg/m^3)	35	98th percentile, averaged over 3 years	37.5	40	49
Annual mean (µg/m^3)	12	Averaged over 3 years	14.1	14.4	14.4
State					
Annual mean (µg/m^3)	12	Averaged over 3 years	18.9	18.9	14.4
PM_{10}					
Federal					
24-hour (µg/m^3)	150	Not to be exceeded more than once per year over 3 years	286	157.2	95.3
Annual mean (µg/m^3)	50	Averaged over 3 years	53	56	54
State					
24-hour (µg/m^3)	50	Not to be exceeded more than once per year over 3 years	199.2	131	107.4
Annual mean (µg/m^3)	20	Averaged over 3 years	40	45	45
Visibility Reducing Particles					
State					
8-hour (mile)	10	Extinction of 0.23 per kilometer, not to be exceeded	*<no data>*		
Sulfates					
State					
24-hour (µg/m^3)	25	Not to be exceeded	<No data> [D]		
Hydrogen Sulfide					
State					
1-hour (ppm)	0.03	Not to be exceeded	0.119	0.156	0.106
Vinyl Chloride					
State					
24-hour (ppm)	0.01	Not to be exceeded	*<no data>*		

Source: California Air Resources Board 2016, USEPA 2016d.
µg/m3 = micrograms per cubic meter; ppb = parts per billion; ppm = parts per million

Notes:

[A] South Coast Air Basin data were not available for lead for the past three years; however data for the entire state of California during this timeframe indicate that federal and state lead standards were not exceeded.

[B] South Coast Air Basin 1-hour maximum and 1-day average nitrogen dioxide data were available for this time frame. The 1-hour maximum nitrogen dioxide values (among stations in the South Coast Air Basin) were 0.1046, 0.1359, and 0.1019 ppm for 2013, 2014, and 2015, respectively. The 1-day average nitrogen dioxide values (maximum among stations in the South Coast Air Basin) were 0.0579, 0.0637, and 0.0602 ppm for 2013, 2014, and 2015, respectively.

[C] South Coast Air Basin 1-hour maximum and 1-day average sulfur dioxide data were available for this time frame. The 1-hour maximum sulfur dioxide values (among stations in the South Coast Air Basin) were 0.0219, 0.0154, 0.0375 ppm for 2013, 2014, and 2015, respectively. The 1-day average sulfur dioxide values (maximum among stations in the South Coast Air Basin) were 0.0039, 0.0031, and 0.0046 ppm for 2013, 2014, and 2015, respectively.

[D] Data were not available specifically for the South Coast Air Basin. Sulfate data reported for the entire state of California indicated that maximum 24-hour values in the years 2013, 2014, and 2015 were less than the corresponding state standard.

The General Conformity Rule (GCR) applies to the proposed action. The GCR ensures that federal actions comply with the NAAQS. The GCR applies to all federal actions that are taken in designated nonattainment or maintenance areas, with three exceptions. One exception is federal actions with emissions clearly at or below *de minimis* (of minimal importance) levels. Emissions were estimated for a model one-year construction project. Those emissions, which are greater than those expected for the proposed project, would not exceed the *de minimis* thresholds (see Table 3 and Appendix A).

Table 3.
Summary of Construction Emissions Estimates

	Air Pollutants						
	CO	**NOx**	**VOC**	**SOx**	**PM_{10}**	**$PM_{2.5}$**	**CO_2**
De minimis (tons per year) (attainment area/non-attainment or maintenance area)	100/50	100/50	100/50	100/50	100/50	100/50	27,563
Exceeds *de minimis* threshold?	No	No	No	No	No	No	No

Note: CO – carbon monoxide, SOx – sulfur oxides, VOC – volatile organic compounds.
The CO_2 value includes other greenhouse gases converted to CO_2 equivalents.

Greenhouse Gases and Climate Change

Greenhouse gases (GHGs) are components of the atmosphere that trap heat relatively near the surface of the earth and therefore contribute to the greenhouse effect and climate change. Most GHGs occur naturally in the atmosphere, but increases in their concentration result from human activities, such as the burning of fossil fuels. Global temperatures are expected to continue to rise as human activities continue to add carbon dioxide (CO_2), methane, nitrous oxide, and other greenhouse (or heat-trapping) gases to the atmosphere. Whether rainfall will increase or decrease remains difficult to project for specific regions (EPA 2016). The Council on Environmental Quality (CEQ) released draft guidance on when and how federal agencies should consider GHG emissions and climate change in NEPA analyses. The draft guidance includes a presumptive effects threshold of 27,563 tons per year (25,000 metric tons per year) of CO_2 equivalent emissions from a federal action (CEQ 2010). Emissions were estimated for a model one-year construction project. Those emissions, which are greater than those expected for this smaller project, would not exceed the CEQ threshold (see Table 4 and Appendix A).

Environmental Justice Information

Conditions, Minority & Low Income Areas (include median family income)

Executive Order (EO) 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-income Populations, was issued by President Clinton on February 11, 1994. The EO requires that federal agencies take into consideration disproportionately high and adverse environmental effects of governmental decisions, policies, projects, and programs on minority and low-income populations.

Per CEQ environmental justice guidance, minority populations should be identified where either the minority population of the affected area exceeds 50 percent, or the minority population percentage of the affected area is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis (CEQ 1997). The U.S. Census Bureau identifies minority populations as Black or African American; American Indian and

Alaska Native; Asian; Native Hawaiian and other Pacific Islander; persons of two or more races; and persons of Hispanic or Latino origin.

Per CEQ guidance, poverty thresholds established by the U.S. Census Bureau are used to identify low-income populations (CEQ 1997). Poverty status is reported as the number of persons or families with income below a defined threshold level. As of 2014, the U.S. Census Bureau defined the poverty threshold level as $12,071 or less annual income for an individual and $24,008 or less annual income for a family of four (U.S. Census Bureau 2015).

The EJSCREEN was used for this environmental justice analysis to identify minority and low-income populations. EJSCREEN is an environmental justice mapping and screening tool developed by EPA (and available on the internet) to provide a nationally consistent dataset and approach that combines environmental and demographic indicators in maps and reports (EPA 2015). Using the tool, a one-mile radius was drawn around the proposed Garvey Avenue underpass project site, generating a report on the populations within this boundary. The report, which is provided in Appendix A, shows the boundary map and lists selected demographic and environmental indicators within the defined boundary, as well as provides the state, regional, and national averages for each indicator for comparison.

The EJSCREEN report for demographic indicators shows that within the defined project boundary the population is comprised of 97 percent of persons of a minority race or ethnicity, which is higher compared to the state average of 60 percent, the EPA regional average of 57 percent, and the United States average of 36 percent. The percent of the population within the defined project boundary identified as low income (i.e., living below the poverty threshold) is 63 percent, higher than the state average of 35 percent, the EPA regional average of 35 percent, and the United States average of 34 percent. The indicators for those linguistically isolated or with less than a high-school education is higher for the project area compared to the state, EPA region, and United States averages.

Census Maps

Figure 6 provides the census maps highlighting the project area.

Land Use & Development, Percent Impervious Cover, Pollutant Sources

The existing land use within the project area is primarily commercial along Garvey Avenue, residential and commercial along Maxson Road, commercial along Durfee Avenue, industrial along Clora Place, and institutional along Gilman Road (City of El Monte 2011). A middle school is along Gilman Avenue next to the San Gabriel River.

Identification of Floodplains and Wetlands

As shown in Figure 7, no floodplains are in or near the proposed project area (FEMA 2008). The San Gabriel River abuts the southern edge of the proposed project area and is considered riverine temporarily flooded. As shown in Figure 8, wetlands are not in the proposed project area; however, patches of freshwater forested/shrub wetlands and riverine wetlands exist in the San Gabriel River channel (FWS 2016b).

2. Direct Impacts

The project would be expected to have minor (i.e., less than significant) adverse impacts on air quality, noise, and transportation. The adverse effects would be short term, lasting generally no longer than the duration of the construction phase of the project. No adverse impacts would be

expected on other resource areas. The project would be expected to have beneficial effects on the local economy, the El Monte sewer system, environmental justice, and transportation. Table 4 summarizes the expected environmental and human health effects of the proposed action.

3. Secondary Impacts of Future Growth and Development

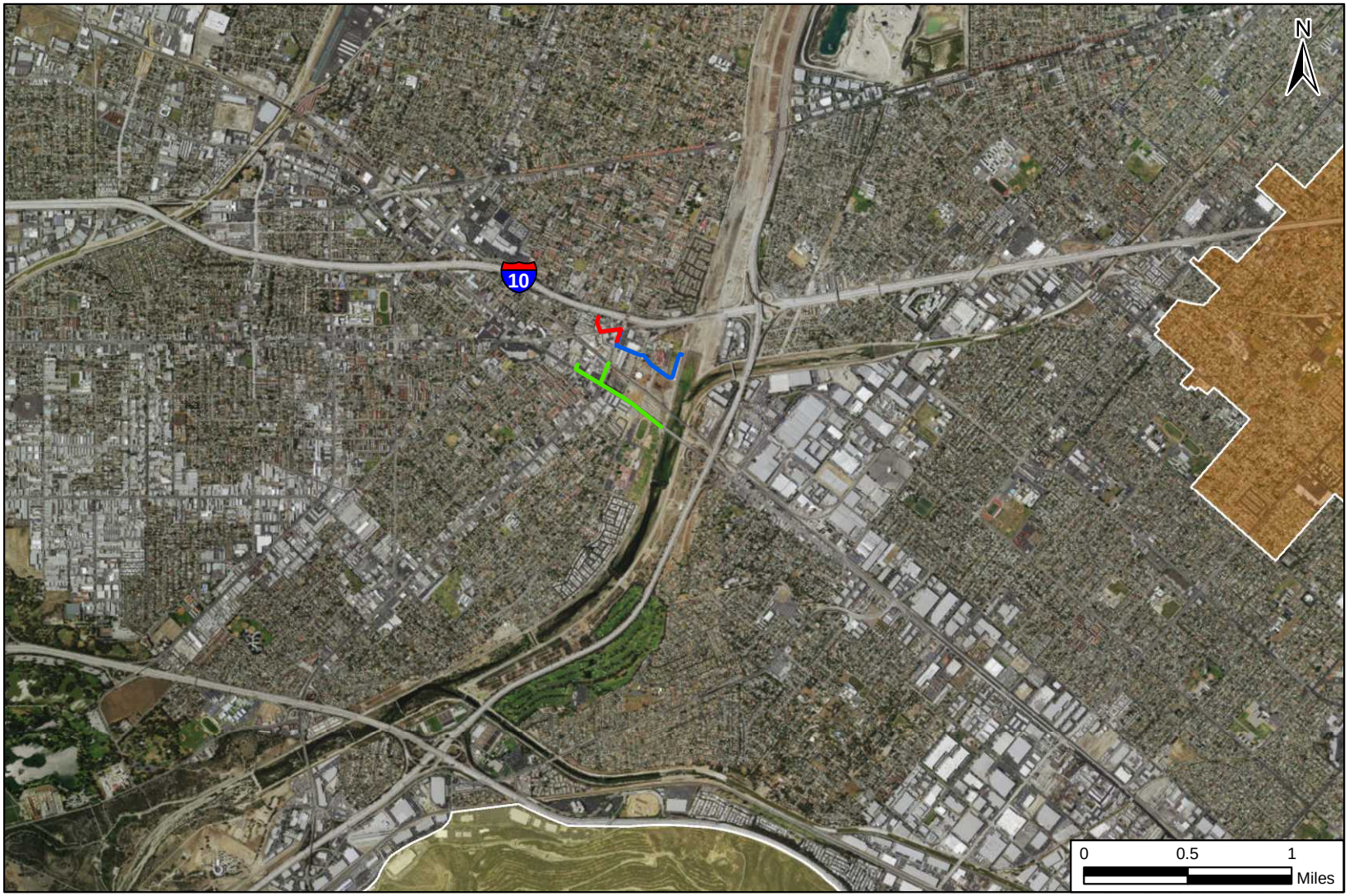
This project is not expected to induce future growth and development because it would not increase system capacity or provide water service to currently un-served areas. No secondary impacts of future growth and development are anticipated to affect the project area. The area is nearly 100% developed.

Low and Moderate Income Census Group Map

Based on U.S. Census 2000 Block Group | Map created April/2013

Low and Moderate Income Census Group Map

Figure 6



LEGEND

- Existing Storm Drain
- Proposed Storm Drain - Line A
- Proposed Storm Drain - Line B
- Area of Undetermined Flood Hazard
- 500-Year Floodplain

Floodplains

El Monte, California

Figure 7

Source: FEMA 2016.

LEGEND

- Existing Storm Drain
- Proposed Storm Drain - Line A
- Proposed Storm Drain - Line B

NWI Wetland

- Freshwater Emergent
- Freshwater Forested/Shrub
- Riverine

Wetlands

El Monte, California

Figure 8

Source: FWS 2016b.

Table 4.
Summary of Potential Environmental Effects

Resource Area	Environmental Effect(s) of Proposed Action	Environmental Effect(s) of No-Action Alternative	Note
Land Use	No effect	No effect	Land use would not be affected by the proposed action.
Climate	No effect	No effect	No change in the local or regional climate would result from implementing the proposed action, and climate change would not have a discernible effect on the project.
Air Quality	Short-term minor adverse effect	No effect	Minor amounts of air pollutants would be emitted during construction. The effects would end upon completion of construction. Dust from vehicles and ground disturbance would be minimized by using dust control best management practices (BMPs), in accordance with SCAQMD guidance.
Noise	Short-term minor adverse effect	No effect	Construction noise would be associated with the project. However, the noise would cease upon completion of construction.
Earth Resources – Topography	No effect	No effect	No topographic changes would result from implementing the proposed action.
Earth Resources – Soils	No effect	No effect	Some soil disturbance would occur during construction. The areas disturbed, however, are highly developed and do not have natural soil profiles. Disturbed areas would be repaved or stabilized after construction, as necessary.
Earth Resources – Geology	No effect	No effect	No changes in the local geology would result from implementing the proposed action.

Table 4.
Summary of Potential Environmental Effects

Resource Area	Environmental Effect(s) of Proposed Action	Environmental Effect(s) of No-Action Alternative	Note
Water Resources – Groundwater	No effect	No effect	Groundwater would be unaffected by the proposed action. No additional demand on groundwater resources would be created from implementing the proposed project. No pollutants would be introduced into groundwater during project implementation.
Water Resources – Surface waters	No effect	No effect	No natural surface waters would be affected by the proposed project.
Water Resources – Wetlands	No effect	No effect	Wetlands in the San Gabriel River would receive additional stormwater runoff, but no long-term changes to the wetlands would be expected.
Water Resources – Floodplains	No effect	No effect	No floodplains would be altered by implementing the proposed action.
Water Resources – Stormwater	No effect	No effect	No increase in the quantity or quality of stormwater would be expected from implementing the proposed action. Stormwater would be rerouted as a result of the proposed action.
Biological Resources – Flora	No effect	No effect	No adverse effects on local flora would result from implementing the proposed action.
Biological Resources – Fauna	No effect	No effect	No adverse effects on local fauna would result from implementing the proposed action.
Biological Resources – Protected species	No effect	No effect	No adverse impacts on protected species would be expected from implementing the proposed action.

Table 4.
Summary of Potential Environmental Effects

Resource Area	Environmental Effect(s) of Proposed Action	Environmental Effect(s) of No-Action Alternative	Note
Cultural Resources	No effect	No effect	No effects on cultural resources would be expected from implementing the proposed action. Consultation with the California SHPO has confirmed this determination. Effects would be further minimized by the use of Native American and archaeological monitors.
Socioeconomics – Economic environment	No effect	No effect	Beneficial effects would be expected on the regional economy. The expenditures and employment associated with the proposed action would increase regional employment, income, and sales volume in the local construction industry and related industries. The economic benefits would be short-term, lasting for the duration of the construction period.
Socioeconomics – Environmental justice	No effect	No effect	Because the proposed action would have no substantially adverse effects, it would not disproportionately affect low-income or minority populations. The short-term effects of the proposed action would affect all populations equally.
Socioeconomics – Protection of children	No effect	No effect	No environmental health risks and safety risks that could disproportionately affect children are associated with the proposed project.
Transportation	Short-term minor adverse effect Long-term minor beneficial effect	No effect	Construction would adversely affect traffic on roads directly affected and on nearby roads indirectly. Traffic on Garvey Avenue would be improved upon completion of the project because it would reduce flooding of that roadway.
Infrastructure and Utilities	Long-term minor beneficial effect	No effect	Stormwater management would improve as a result of implementing the project.

Table 4.
Summary of Potential Environmental Effects

Resource Area	Environmental Effect(s) of Proposed Action	Environmental Effect(s) of No-Action Alternative	Note
Hazardous and Toxic Materials and Waste	No effect	No effect	No hazardous or toxic substances would be transported, used, stored, or disposed of during project implementation. Any lubricants, oils, or petroleum products used would be those only for normal equipment operation and maintenance.
Safety and Occupational Health	No effect	No effect	No change in safety or occupational health would result from implementing the proposed action. All contractors would be required to comply with normal industry standards of safety or occupational health during project implementation, and the public would be excluded from or routed around the project area during construction.

4. Cumulative Impacts

Cumulative effects on environmental resources result from the incremental effects of an action when combined with other past, present, and reasonably foreseeable future projects in the area. Cumulative effects can result from individually minor but collectively substantial actions taken over a period of time. In accordance with NEPA, a discussion is required of cumulative effects that could result from projects proposed or anticipated in the foreseeable future.

Cumulative effects are possible for those resource areas on which the project could have an adverse effect. The El Monte proposed project could have an adverse effect on air quality, noise, and transportation. Cumulative impacts on air quality from construction activities cause temporary increases in air pollutants. Once construction is completed, emissions return to baseline levels. Therefore, construction projects may cause short-term, but do not cause long-term cumulative impacts on air quality. The magnitude of the short-term impact, if any, would depend on whether other projects in the region were active at the same time as the proposed project and the nature of the projects.

Construction noise is generally loud enough to be annoying within 800 feet from the construction site. If another source of loud noise is within 1,600 feet of the construction site, the two noise sources can overlap. In the case of this project, cumulative noise impacts would be expected to be negligible because of the urban nature of the project area, with continuous road traffic and intermittent train traffic.

Cumulative impacts on the transportation network would be expected if road closures and detours for other projects occur in the same area and during the same time as those for this proposed project. The timing of the project has not been determined, so cumulative impacts on the transportation network cannot be determined at this time. The Town of El Monte Public Works Department would schedule road closures and plan detours to minimize adverse effects on the transportation network.

5. Unavoidable Adverse Impacts

Unavoidable adverse impacts from the project include the following:

- Short-term traffic flow delays and interruptions.
- Short-term air quality emissions from construction activities and equipment.
- Short-term noise during construction.

6. Minimization of Adverse Impacts

If the proposed project disturbs 1 acre or more of total area, the construction contractor would obtain a 2009-0009-DWQ Construction General Permit (General Permit No. CAS000002 Storm Water Discharges Associated with Construction and Land Disturbance Activities) in compliance with the requirements of the California State Water Resources Control Board, Division of Water Quality. Implementing the conditions of the permit, including preparation of a stormwater pollution prevention plan that incorporate best management practices accepted by California's State Water Resources Control Board, would minimize sediment runoff from the site.

7. Mitigation

Compliance with applicable construction activity controls (e.g., dust control during construction/demolition activities, construction equipment maintained to minimize emissions)

included in the SIPs and Maintenance Plans for the SCAQMD is required to minimize air quality issues.

SCAQMD Rule 403 (Fugitive Dust) is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions (SCAQMD 2016). Under the rule, dust suppression is to be applied in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.

The California Code of Regulations requires that construction equipment idling time be minimized either by shutting equipment off when not in use or reducing the time of idling to 5 minutes (Title 13 Sections 2449(d)(3), 2485) (SAQMD 2010). All construction equipment should be maintained in proper working condition according to manufacturer's specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated.

To avoid impacts on subsurface cultural resources, a Native American monitor and archaeological monitor would be present during ground-disturbing activities. Each monitor would be empowered to halt project activities to avoid or minimize disturbance of Native American or archaeological resources.

Should any known or potential cultural materials be encountered during ground-disturbing activities, all work that may affect those materials would be halted until a qualified archaeologist can be consulted on the nature and significance of those materials.

8. Cross-cutter Environmental Laws and Coordination and Consultation Process

Archeological and Historic Preservation Act

EPA made a determination of "no historic properties affected" for this project. EPA conveyed this finding of effect to the California SHPO in a letter dated August 24, 2016, and the SHPO concurred with this finding on September 21, 2016 (Appendix B). In its letter, SHPO did not object to the identification and delineation of the APE, concurred with the finding that the existing storm drain system is not eligible for listing on the NRHP, and did not object to the finding of "no historic properties affected" for the proposed undertaking.

Clean Air Act

Under the GCR in the Clean Air Act, air emissions attributable to the project will be required to be in compliance with the SIP and Los Angeles County Maintenance Plan for air quality.

Coastal Barrier Resources Act

The proposed project would not affect coastal barrier resources. No coastal barrier resources are within the project area.

Coastal Zone Management Act

The proposed project would not affect the California coastal zone. El Monte is not within the California coastal zone.

Endangered Species Act

No federally listed species would be affected by the proposed project. The U.S. Fish and Wildlife Services' (USFWS) IPaC (*Information for Planning and Conservation*) website (https://ecos.fws.gov/ipac/) was searched for protected species information specific to the proposed project area. The project area has no habitat suitable for the federal species listed as potentially occurring in the project area. The results of this search are provided in Appendix C.

Environmental Justice

Because the proposed action would have no substantially adverse effects, it would not disproportionately affect low-income or minority populations. The proposed action would affect all populations equally.

Floodplain Management

Because no floodplains exist in the project area, they would not be affected by the proposed project.

Protection of Wetlands

No effects on wetlands in the San Gabriel River would be expected. Stormwater formerly directed to the Rio Hondo Channel would be diverted to the San Gabriel River, resulting in increased stormwater runoff to the river and its wetlands. Freshwater forested/shrub wetlands and riverine wetlands are in the river channel at the proposed outfall location at the end of Line A. Because stormwater peak flow subsides quickly after a storm event, it would not be expected that the additional flow would be substantial enough to alter the wetlands in the river.

Farmland Protection Policy Act

Because no farmlands exist in the project area, farmland would not be affected by the proposed project (NRCS 2014).

Fish and Wildlife Coordination Act

Fish and wildlife would not be affected by the proposed project. The urban environment of the project area contains no natural habitat for any fish or wildlife species.

National Historic Preservation Act

Pursuant to Section 106 of the NHPA, EPA made a determination of "no historic properties affected" for this project. EPA conveyed this finding of effect to the California SHPO in a letter dated August 24, 2016, and the SHPO concurred with this finding on September 21, 2016 (Appendix B). In its letter, SHPO did not object to the identification and delineation of the APE, concurred with the finding that the existing storm drain system is not eligible for listing on the NRHP, and did not object to the finding of "no historic properties affected" for the proposed undertaking.

Safe Drinking Water Act

Drinking water supplies would not be affected by the proposed project.

Wild and Scenic River Act

No wild and scenic rivers exist in the project area. Wild and scenic rivers would not be affected by the proposed project (BLM 2016).

Essential Fish Habitat

Because no essential fish habitat exists in the project area, that habitat type would not be affected by the proposed project (NOAA 2016).

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FWS (U.S. Fish and Wildlife Service). 2016b. National Wetlands Inventory Map. www.fws.gov/wetlands/

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Mock, P.J. 2004. *California Gnatcatcher* (Polioptila californica). In The Coastal Scrub and Chaparral Bird Conservation Plan: a strategy for protecting and managing coastal scrub and chaparral habitats and associated birds in California. California Partners in Flight. http://www.prbo.org/calpif/htmldocs/scrub.html.

NOAA (National Oceanic Atmospheric Administration, Habitat Conservation). 2016. Essential Fish Habitat Mapper. www.habitat.noaa.gov/protection/efh/efhmapper/

NRCS (Natural Resources Conservation Service). 2014. Farmland Protection Policy Act. www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/fppa/?cid=nrcs143_008275

SAQMD (Sacramento Metropolitan Air Quality Management District). 2010. *CEQA Guide December 2009* (Revised September 2010). http://www.airquality.org/.

SCAQMD (South Coast Air Quality Management District). 2016. SCAQMD Rule Book, Rule 403. http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-iv.

U.S. Census Bureau. 2015. Poverty Thresholds for 2014 by Size of Family and Number of Related Children Under 18 Years. Accessed January 2016. http://www.census.gov/hhes/www/poverty/data/threshld/index.html.

APPENDIX A

EJSCREEN

1 mile Ring Centered at 34.063184,-118.015540

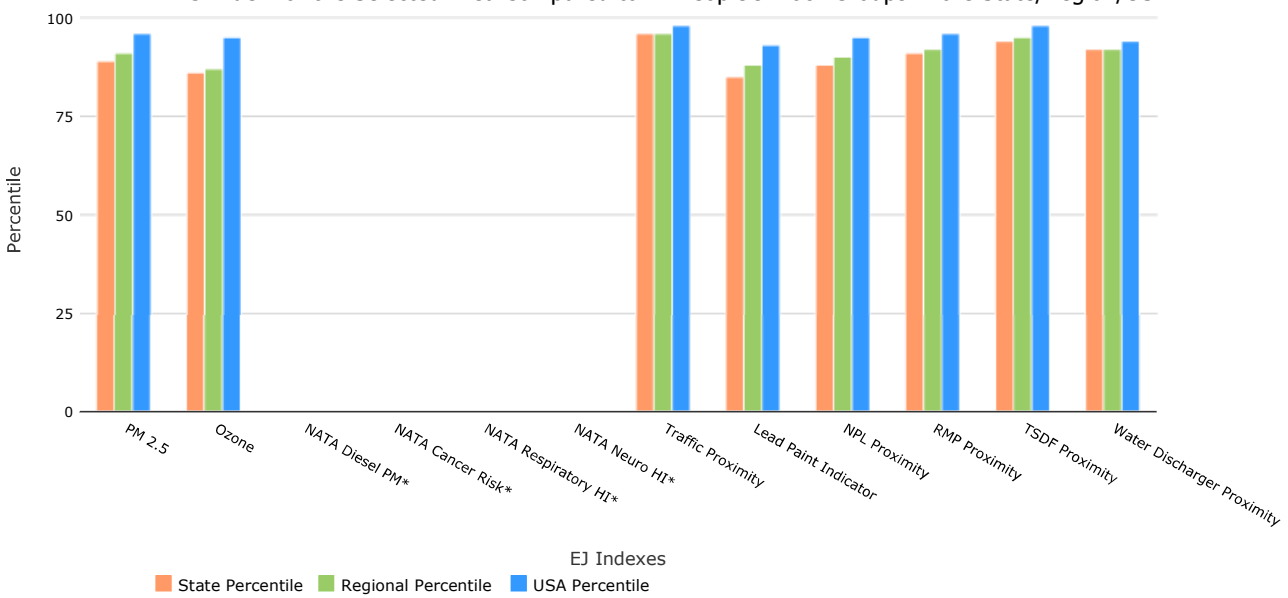
CALIFORNIA, EPA Region 9

Save as PDF

1 mile Ring Centered at 34.063184,-118.015540
CALIFORNIA, EPA Region 9
Approximate Population: 36211
Garvey Ave Drainage Improvements

Selected Variables	Percentile in State	Percentile in EPA Region	Percentile in USA
EJ Indexes			
EJ Index for Particulate Matter (PM 2.5)	89	91	96
EJ Index for Ozone	86	87	95
EJ Index for NATA Diesel PM*	N/A	N/A	N/A
EJ Index for NATA Air Toxics Cancer Risk*	N/A	N/A	N/A
EJ Index for NATA Respiratory Hazard Index*	N/A	N/A	N/A
EJ Index for NATA Neurological Hazard Index*	N/A	N/A	N/A
EJ Index for Traffic Proximity and Volume	96	96	98
EJ Index for Lead Paint Indicator	85	88	93
EJ Index for NPL Proximity	88	90	95
EJ Index for RMP Proximity	91	92	96
EJ Index for TSDF Proximity	94	95	98
EJ Index for Water Discharger Proximity	92	92	94

EJ Index for the Selected Area Compared to All People's Block Groups in the State/Region/US



This report shows environmental, demographic, and EJ indicator values. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

Selected Variables	Raw data	State Average	%ile in State	EPA Region Average	%ile in EPA Region	USA Average	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	12.4	10.4	80	9.95	84	9.78	95
Ozone (ppb)	48.9	48.4	55	49.7	45	46.1	65
NATA Diesel PM (µg/m^3)*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Air Toxics Cancer Risk (risk per MM)*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Respiratory Hazard Index*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Neurological Hazard Index*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Traffic Proximity and Volume (daily traffic count/distance to road)	510	210	89	190	90	110	95
Lead Paint Indicator (% pre-1960s housing)	0.37	0.3	63	0.25	69	0.3	65
NPL Proximity (site count/km distance)	0.13	0.13	74	0.11	78	0.096	81
RMP Proximity (facility count/km distance)	0.74	0.46	84	0.41	85	0.31	89
TSDF Proximity (facility count/km distance)	0.29	0.13	91	0.12	92	0.054	97
Water Discharger Proximity (count/km)	0.25	0.18	83	0.19	81	0.25	75
Demographic Indicators							
Demographic Index	80%	47%	91	46%	92	35%	95
Minority Population	97%	60%	91	57%	92	36%	95
Low Income Population	63%	35%	86	35%	86	34%	89
Linguistically Isolated Population	30%	10%	91	9%	92	5%	96
Population with Less Than High School Education	48%	19%	89	18%	91	14%	96
Population under Age 5	9%	7%	70	7%	69	7%	73
Population over Age 64	7%	12%	34	12%	35	13%	25

*The National-Scale Air Toxics Assessment (NATA) environmental indicators and EJ indexes, which include cancer risk, respiratory hazard, neurodevelopment hazard, and diesel particulate matter will be added into EJSCREEN during the first full public update after the soon-to-be-released 2011 dataset is made available. The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not

provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

APPENDIX B

Letters to Agencies and Tribes

OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION
1725 23rd Street, Suite 100
SACRAMENTO, CA 95816-7100
(916) 445-7000 Fax: (916) 445-7053
calshpo@parks.ca.gov
www.ohp.parks.ca.gov

September 21, 2016

Reply to: EPA_2016_0829_001

Howard Kakan, Environmental Scientist
Tribal Water Section (WTR-3-4)
U. S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, California 94105-3901

RE: Section 106 Consultation Regarding U. S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding for the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project; Los Angeles County (your letter of August 24, 2016)

Dear Mr. Kahan:

The U. S. Environmental Protection Agency (EPA) is initiating consultation on the above cited undertaking, in accordance with Section 106 of the *National Historic Preservation Act of 1966* (16 U.S.C. §306108) as amended, and its implementing regulations found at 36 CFR Part 800. On September 21, 2016, Duane Marti (of my staff) and you had a telephone call in which you discussed the proposed undertaking and provided clarifying information about it.

The City of El Monte (City) is proposing to reconstruct the existing Garvey Avenue Underpass storm drain which was originally constructed in 1934. The proposed undertaking would involve the construction of two new storm drain lines (Lines A and B) and a new storm water pump station at the Garvey Avenue underpass. Line A will be located within the rights-of-way of three urban streets and be approximately 1,271 feet long and Line B will be located within the rights-of-way of two urban streets and be approximately 2, 840 feet long. The new pump station will replace the existing pump station and the existing storm drain lines will be abandoned in place. The infrastructure of the existing storm drain system was evaluated by EPA for its eligibility for listing on the National Register of Historic Places (NRHP) and it was determined to be ineligible.

The area of potential effects (APE) contains the elements described above. The APE is located in the southeastern portion of the City and the APE is an urban setting containing streets, commercial buildings, Madrid Middle School, and residential housing. The APE is bounded on the north by Interstate 10 (San Bernardino Freeway) and on the east by the San Gabriel River, which has been channelized.

As documentation for your finding of effect, EPA conducted a records review at the South Central Coastal Information Center at CSU-Fullerton. That records review: (1) identified no cultural resources as being located with the APE; (2) identified 39 previous cultural resources surveys which had been conducted within a one mile radius of the APE, but none of which included the APE; and (3) identified 18 cultural resources as being located within a one mile radius of the APE. None of those cultural resources will be affected by the proposed undertaking. EPA did not require a pedestrian survey of the APE because of the urban setting of the APE.

P-19-000136/CA-LAN-000136 is a prehistoric habitation site with burials located approximately 0.8 mile southeast of the APE and on the opposite side of the San Gabriel River. Given the

proximity of the APE to this site and the river, EPA has determined the archaeological sensitivity of the APE to be moderate. The site will not be affected by the proposed undertaking.

Native American consultation included contacting the American Heritage Commission (NAHC) on April 27, 2016 and requesting a record search of their sacred land file. The NAHC responded that their search did indicate the presence of Native American cultural resources in the APE. EPA sent request for comment letters to the ten Native American contacts provided by NAHC. EPA received the following response to those letters:

- EPA discussed the proposed undertaking with Andy Salas, Chairman, Gabrieleno Band of Mission Indians – Kizh Nation, who stated the APE was culturally sensitive and requested that Native American monitors be used during ground disturbing activities.

Based on the records review, the tribal consultation, and the above described conditions, EPA has determined that a finding of No Historic Properties Affected is appropriate for the proposed undertaking. EPA has requested me to review and comment on their identification of the APE and their finding of No Historic Properties Affected for the proposed undertaking.

After reviewing the information submitted with your letter, I offer the following comments:

- I have no objections to your identification and delineation of the APE, pursuant to 36 CFR Parts 800.4(a)(1) and 800.16(d);
- I concur with your determination that the infrastructure of the existing storm drain system is not eligible for listing on the NRHP; and
- I do not object to your finding of No Historic Properties Effected for the proposed undertaking, as described above.

Be advised that under certain circumstances, such as an unanticipated discovery or a change in project description, you may have additional future responsibilities for this undertaking under 36 CFR Part 800. Should you encounter cultural artifacts during ground disturbing activities, please halt all work until a qualified archaeologist can be consulted on the nature and significance of such artifacts.

Thank you for seeking my comments and considering historic properties as part of your project planning. If you have any questions or concerns, please contact the following member of my staff: Tristan Tozer at (916) 445-7027 or via e-mail at Tristan.Tozer@parks.ca.gov.

Sincerely,

Julianne Polanco
State Historic Preservation Officer

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

August 24, 2016

Julianne Polanco, State Historic Preservation Officer
C/O: Tristan Tozer, State Historian II
Office of Historic Preservation
1725 23rd Street, Suite 100
Sacramento, California 95816

Subject: Section 106 Consultation Regarding the U.S. Environmental Protection Agency Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project

Dear Mr. Tozer:

The City of El Monte, California, was authorized to receive a Special Appropriation Act Project for the Garvey Storm Drain reconstruction project in Fiscal Year 2009. The Garvey Grade Underpass is located in the southeastern area of El Monte, adjacent to the neighboring cities of Baldwin Park and the City of Industry (see Enclosure 1).

Storms regularly flood Garvey Avenue where the street passes under the Southern Pacific Railroad at the Garvey Avenue underpass. The existing stormwater pumps and conveyance pipes that drain the underpass are inadequate to effectively convey stormwater from the street's surface to the intended storm drainage facilities. The existing Garvey Avenue underpass pump station was constructed in 1934, and surrounding land use has changed over the past 82 years. The pumps were replaced within the last 10 years, but the capacity of the pump station is still inadequate to handle the stormwater load at the Garvey Avenue underpass from minor and major storm events. The project will also reduce movement of nonpoint source pollutants and contaminants in the City of El Monte.

This letter initiates the U.S. Environmental Protection Agency's (EPA) consultation with your office for this funding (the undertaking) under Section 106 of the National Historic Preservation Act (NHPA). It also documents the measures that EPA proposes to take to comply with the substantive requirements of Section 106 and its implementing regulations at 36 Code of Federal Regulations (CFR) Part 800. EPA has (1) described the proposed undertaking; (2) defined the Area of Potential Effects (APE) for the undertaking; and (3) provided data on identification of historic properties.

EPA is concurrently completing efforts associated with the National Environmental Policy Act (NEPA). As part of the NEPA process, EPA is preparing a draft environmental information document (EID) to evaluate the impacts of the proposed project.

Description of the Undertaking

The Garvey Avenue underpass is located in the southeastern area of El Monte, adjacent to the neighboring cities of Baldwin Park and the City of Industry, and separates traffic on Garvey Avenue from the Southern Pacific Railroad tracks. Rain storms flood the underpass, showing that the existing drainage facilities are inadequate to effectively convey the volumes of stormwater received.

The existing Garvey Avenue underpass pump station was constructed in 1934, after construction of the Garvey Avenue underpass in 1933. The pumps in the building were replaced within the last 10 years and consist of a 6-foot by 9-foot, 4-inch concrete sump with two submersible pumps. The pumps have a combined capacity of 1,400 gallons per minute (gpm), but the pump station is still inadequate to handle the stormwater load at the Garvey Avenue underpass from minor and major (100-year) storm events. The pumps convey water from the grade separation into a catch basin on the corner of Garvey Avenue and Valley Boulevard, which then drains into a City of El Monte storm drain system along Valley Boulevard that conveys water flow to the Rio Hondo Channel. This configuration has proven deficient and needs to be realigned.

In addition, three existing 24-inch culverts northeast of the Garvey Avenue underpass convey stormwater from Exline Street, under Interstate 10 (the I-10), and to outlets on Maxson Road. Surface drainage from that point is deficient and needs to be intercepted with a new storm drain.

The city's project will consist of two new storm drain lines and a new storm water pump station at the Garvey Avenue underpass. The city will discontinue using the existing pump housed in the historic-age Garvey Avenue Grade Underpass pump station. The city plans to use a new pump station that includes three 9,000-gpm pumps and one 2,200-gpm pump. A new storm drain line (Line A) will run from the I-10 south on Maxson Road, then east on Garvey Avenue, then south on Durfee Avenue, and finally discharge to the existing storm Durfee storm drain. The second new storm drain line (Line B) will parallel Line A along Durfee Avenue, but will extend beyond Line A to continue along Stoddard Way to the San Gabriel River. No existing storm drain lines will be removed. Anticipated maximum dimensions of excavations for Lines A and B are summarized in Table 1 below.

Table 1. Garvey Avenue Underpass Drainage Improvement Project Storm Drain Excavations

Line Section	Length of Excavation	Width of Excavation	Depth of Excavation
Line A			
Maxson Road and Garvey Avenue	931 feet	28 feet	7 feet
Durfee Avenue	340 feet	28 feet	8 feet
Line B			
Durfee Avenue	540 feet	23 feet	10-13 feet
Stoddard Way	2,300 feet	30 feet	13-16 feet

Staging areas have not yet been identified. The city anticipates that staging areas will be located to avoid public rights-of-way during construction. The city also anticipates that these areas most likely will be in paved parking lots and along the streets involved in the project.

Area of Potential Effect

To comply with the substantive requirements of Section 106 of the NHPA, EPA has defined the archaeological APE as the surfaces and depths that would be disturbed by excavation and storm drain installation, as well as the footprint of the Garvey Avenue underpass pump station building. This APE includes 931 feet of new storm drain pipe excavation along Maxson Road and Garvey Avenue, 540 feet along Durfee Avenue, and 2,300 feet along Stoddard Way (see Table 1) in the City of El Monte. Excavations range from 23 to 30 feet wide and 7 to 16 feet deep.

The historical architectural APE is the pump station and the pipes and culverts that may be replaced that are 50 years or older. These elements, if eligible for the National Register of Historic Places (NRHP), could be impacted with replacement of original materials as well as with introduction of modern construction. It is noted that the railroad bridge adjacent to the Garvey Avenue Grade Underpass pump house and adjacent to the project was constructed more than 50 years ago.

Staging areas would be limited to paved parking lots and areas along the APE and outside of the public right-of-way.

No undertaking-related activities would occur outside of the APE. Enclosure 2 depicts the horizontal APE.

Identification of Historic Properties

EPA conducted a records search of the archaeological APE and surrounding areas via the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System (CHRIS) (Records Search File No.: 16371.2401). The study area for the records search included a 1-mile buffer centered on the APE of the new storm drains. Enclosure 3 provides the results of the CHRIS records search. No part of the APE has been previously surveyed, and no resources have been recorded within the APE. However, 39 surveys have been conducted within the study area, and 18 resources have been recorded in the same area.

The 39 surveys conducted within the study area were completed between 1969 and 2012. (One of the surveys was undated.) The majority of surveys were conducted adjacent to the eastern extent of the APE, along the San Gabriel River/I-605 corridor. Additional surveys are primarily concentrated along the I-10, at the northern extent of the APE, and at the Southern Pacific Railroad, adjacent to the pump station.

The following 18 resources previously recorded within the study area include one prehistoric archaeological site, 11 historic buildings, one historic district, one historic highway/trail, one historic railroad, and three historic transmission/utility lines, which are detailed below:

- The prehistoric archaeological site (P-19-000136/CA-LAN-000136) is a habitation with burials located approximately 0.8 mile southeast of the APE on the opposite side of the San Gabriel River.
- The historic buildings (P-19-188913, P-19-188914, P-19-188915, P-19-188916, P-19-188917, P-19-188918, P-19-188919, P-19-188921, P-19-188922, P-19-188923, and P-19-188924) are concentrated approximately 0.85 mile northeast of the APE in Baldwin Park, on the opposite side of Interstate I-605 (the I-605) and the San Gabriel River.
- The historic district, consisting of the Woodland Duck Farms and Equestrian Center/Louise A. Ward Residence (P-19-004079/CA-LAN-004079H), is located

approximately 0.35 mile southeast of the APE on the opposite side of the San Gabriel River.

- The historic highway/trail (P-19-187085/The Mojave Road) corresponds with Ramona Boulevard, north of the I-10, and is approximately 0.75 mile north of the APE.
- The historic railroad is the Southern Pacific Railroad/Union Pacific Railroad (P-19-186112) adjacent to the Garvey Avenue underpass pump station.
- The three transmission/utility lines (P-19-188983/Los Angeles Department of Water and Power Boulder Lines North and South, P-19-190504/Southern California Edison Rio Hondo-Amador-Jose-Mesa-Narrows 66kV Transmission Line, and P-19-186876/Southern California Edison Eagle Rock-Pardee and Antelope-Vincent No.1 220kV Transmission Line Corridor) are located along Ramona Boulevard, north of the I-10, and at the eastern extent of the APE, along the I-605/San Gabriel River corridor.

In addition to these previously recorded resources, the Garvey Avenue underpass pump station is of historic age (50 years or older), as it was constructed in 1934, according to the original plans. It was evaluated for eligibility for listing in the NRHP for this project by a qualified Architectural Historian who meets the Secretary of the Interior's Professional Qualifications. The Department of Parks and Recreation (DPR) 523 A and B forms are included as Enclosure 4. It was determined that the pump station is not recommended to be eligible for listing in the NRHP.

The Southern Pacific Railroad/Union Pacific Railroad, P-19-186112, was not formally evaluated but was part of a reconnaissance survey (CRM Tech 2010). Field observations indicated that the rail lines had been upgraded and undergone maintenance as part of their ongoing use and did not demonstrate historical characteristics. The 2010 letter report is Enclosure 5.

Given the proximity of the archeological APE to the San Gabriel River and prehistoric archaeological site P-19-000136/CA-LAN-000136, the archaeological sensitivity of the areas of stormwater pipe excavations is evaluated as moderate at present, in the absence of a more detailed sensitivity study.

The California Native American Heritage Commission (NAHC) was consulted about the Garvey Avenue Underpass Project and responded that sacred sites have been identified by the Gabrielino Band of Mission Indians–Kizh Nation as within the project region. Enclosure 6 provides a copy of the NAHC's response letter. The NAHC recommended that EPA contact the Gabrielino Band of Mission Indians–Kizh Nation to determine if the undertaking will affect this resource.

The only cultural resource survey that has been conducted for the undertaking is the recordation and evaluation of the Garvey Avenue underpass pump station, which the city states must be demolished to accommodate the new pumps.

Discussions with Tribal Representatives

EPA sent letters to the Soboba Band of Luiseno Indians, Gabrieleno Band of Mission Indians–Kizh Nation (as described above), Gabrieleno/Tongva San Gabriel Band of Mission Indians, Gabrieleno/Tongva Nation, Gabrielino Tongva Indians of California Tribal Council, and Gabrieleno/Tongva Tribe on June 8, 2016. The goal of the letters were to identify any issues or concerns regarding this proposed project including information regarding potential impacts on cultural resources or areas of traditional cultural importance. EPA did not receive any responses to the letters send to the tribal representatives. EPA held a phone conversation with Mr. Andy Salas, chairman of the Gabrieleno Band of Mission Indians–Kizh Nation to discuss the proposed project. Mr. Salas recommendation that a Native American monitor from the Gabireleno Band of Mission Indians be present during excavation activities of the proposed

project. Mr. Salas described that his tribe traditionally used the areas. The EPA notes from the phone call can be found in Enclosure 7.

Planned Actions Prior to Finding of Effect

The new pipelines are anticipated to require excavations into undisturbed soils in an area considered moderately sensitive for archaeological resources.

Given the underground nature of the storm water pipeline component of the project and distance to the previously recorded built-environment resources, the new storm pipes are not anticipated to adversely affect any of the previously recorded resources. Construction of the reconstructed pump station building adjacent to the Southern Pacific Railroad (P-19-186112) would place a new, modern element within the viewshed of the resource; however, this impact is not anticipated to be adverse, given the existing developed nature of the viewshed in 2010 and the fact that the rail line was surveyed and observed to be altered.

Based on the 2010 railroad survey findings and other information presented above and pursuant to Section 106 of the NHPA, EPA has made a determination of "no historic properties affected" for this undertaking. EPA is recommending that a Native American monitor be present during all ground disturbing activities. If archaeological resources are identified during excavation, it could result in an adverse effect and consultation with SHPO would resume.

Please provide any comments or concerns that you have regarding the project and EPA's planned actions within 30 days. EPA will consider any comments or concerns received and provide formal responses to comments. Given the schedule associated with the project, EPA plans to proceed with the planned actions and determination of effect after 30 days from the confirmed receipt of this correspondence, if no objections are received.

If you have questions, or comments, please contact me at:

Howard Kahan, Environmental Scientist
Tribal Water Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street (WTR-3-4)
San Francisco, CA 94105-3901
Phone: (415) 972-3143
E-mail: kahan.howard@epa.gov

Thank you for your time and consideration.

Sincerely,

Howard Kahan
Environmental Scientist, Tribal Water Section

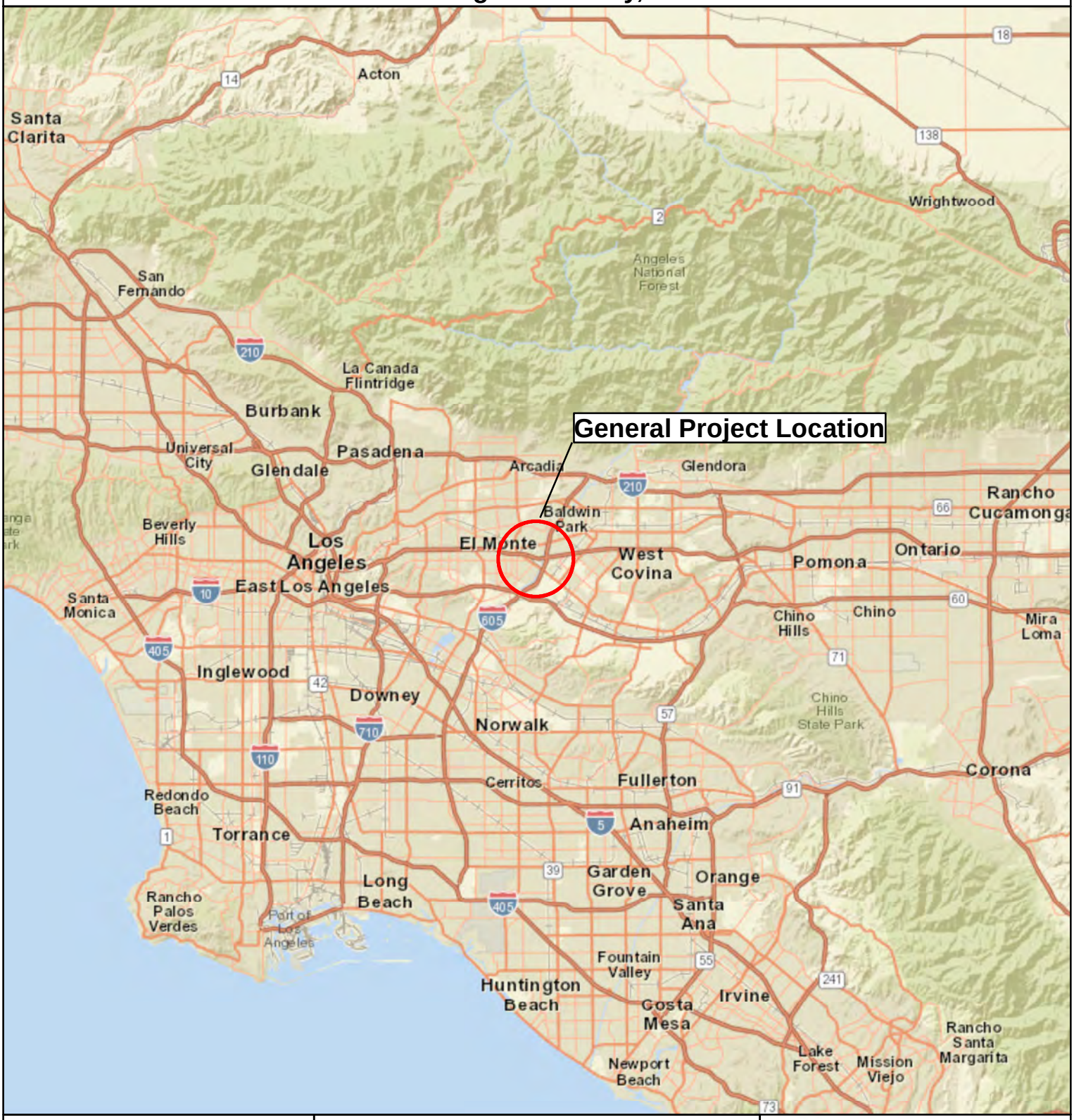
Enclosures:
- Enclosure 1: Regional Project Location Map
- Enclosure 2: APE Map
- Enclosure 3: Results of CHRIS Records Search (Confidential)
- Enclosure 4: Department of Parks and Recreation (DPR) 523 A and B Forms
- Enclosure 5: San Bernardino Line Positive Train Control Project Study (SCCIC LA-10641) (Confidential)

Enclosure 6: Results of NAHC Sacred Lands File Search
Enclosure 7: Native American Consultation and Notification Letters

The following Enclosures were included with the letter to the State Historic Preservation Office

Enclosure 1: Regional Project Location Map

US EPA SAAP Grant Funding,
City of El Monte Garvey Avenue Underpass Drainage Improvement Project
Los Angeles County, CA



Enclosure 1
Regional Project Location

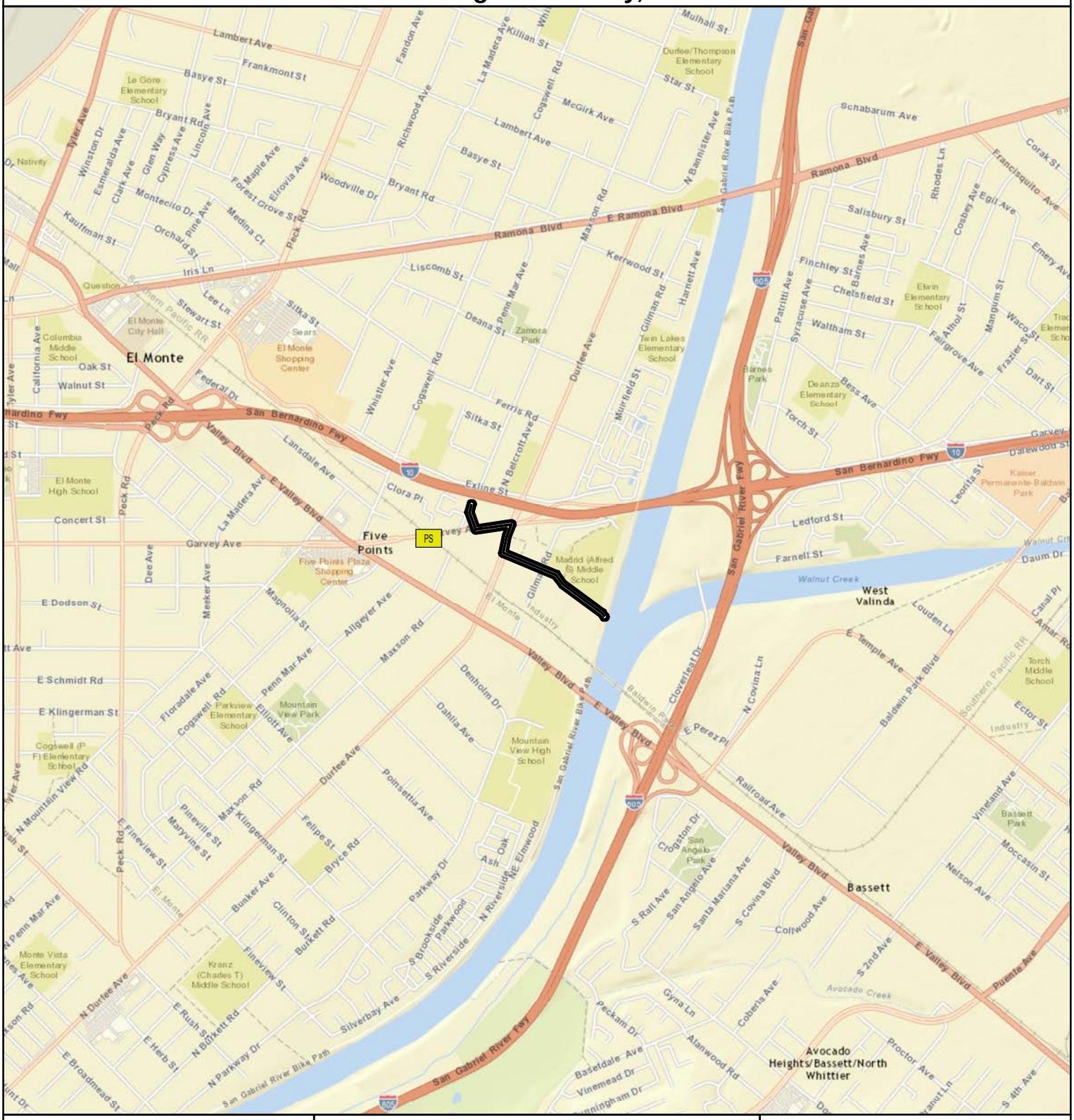
N

1:500,000

0 2.5 5 10 Miles

Enclosure 2: APE Map

US EPA SAAP Grant Funding,
City of El Monte Garvey Avenue Underpass Drainage Improvement Project
Los Angeles County, CA



Enclosure 2
APE (Street)

1:24,000

0 0.125 0.25 0.5 Miles

N

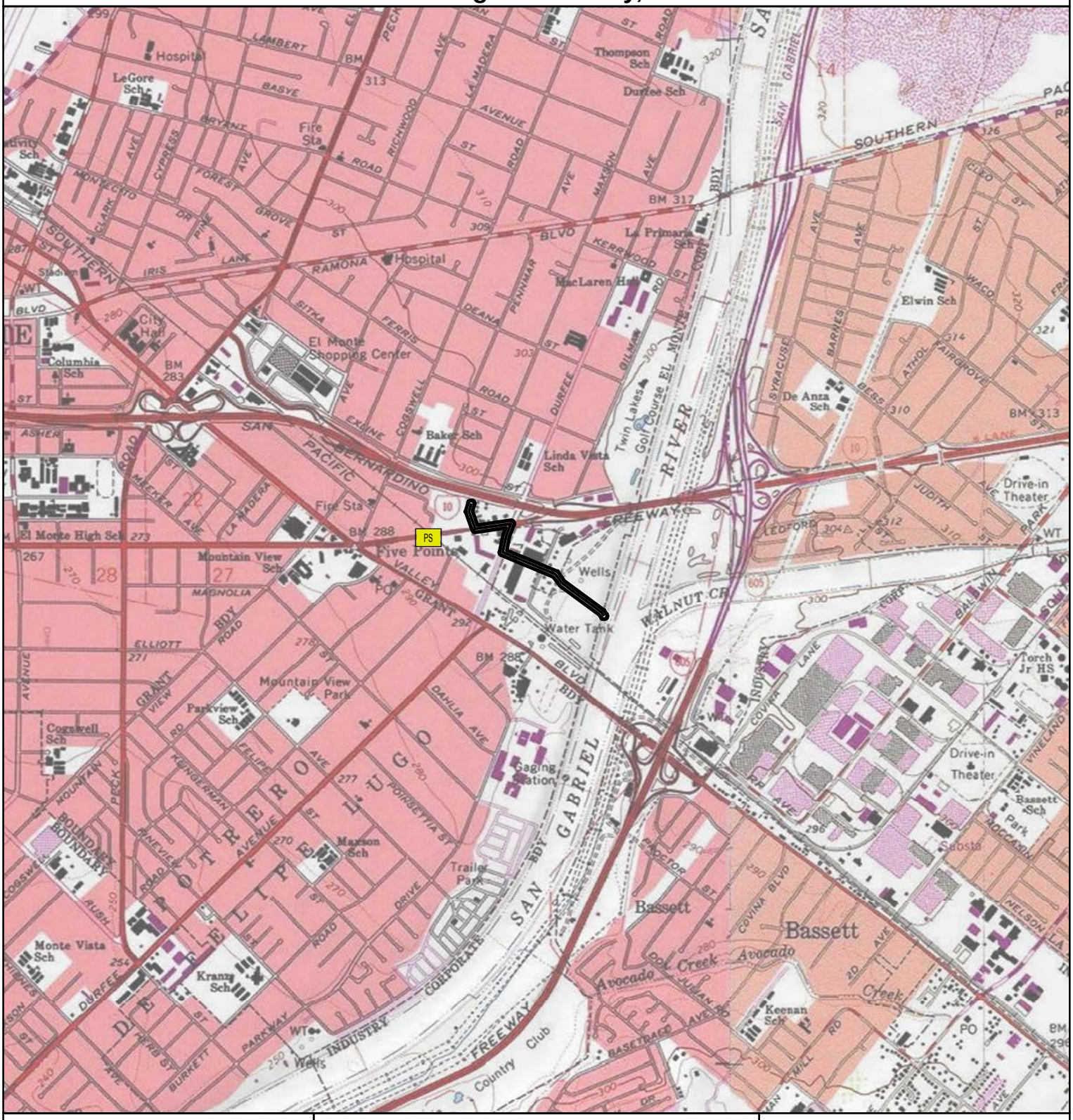
Legend

PS APE - Garvey Pump Station

APE - Proposed Storm Drain

TETRA TECH

US EPA SAAP Grant Funding,
City of El Monte Garvey Avenue Underpass Drainage Improvement Project
Los Angeles County, CA



Enclosure 2
APE (Topographic)

N

1:24,000

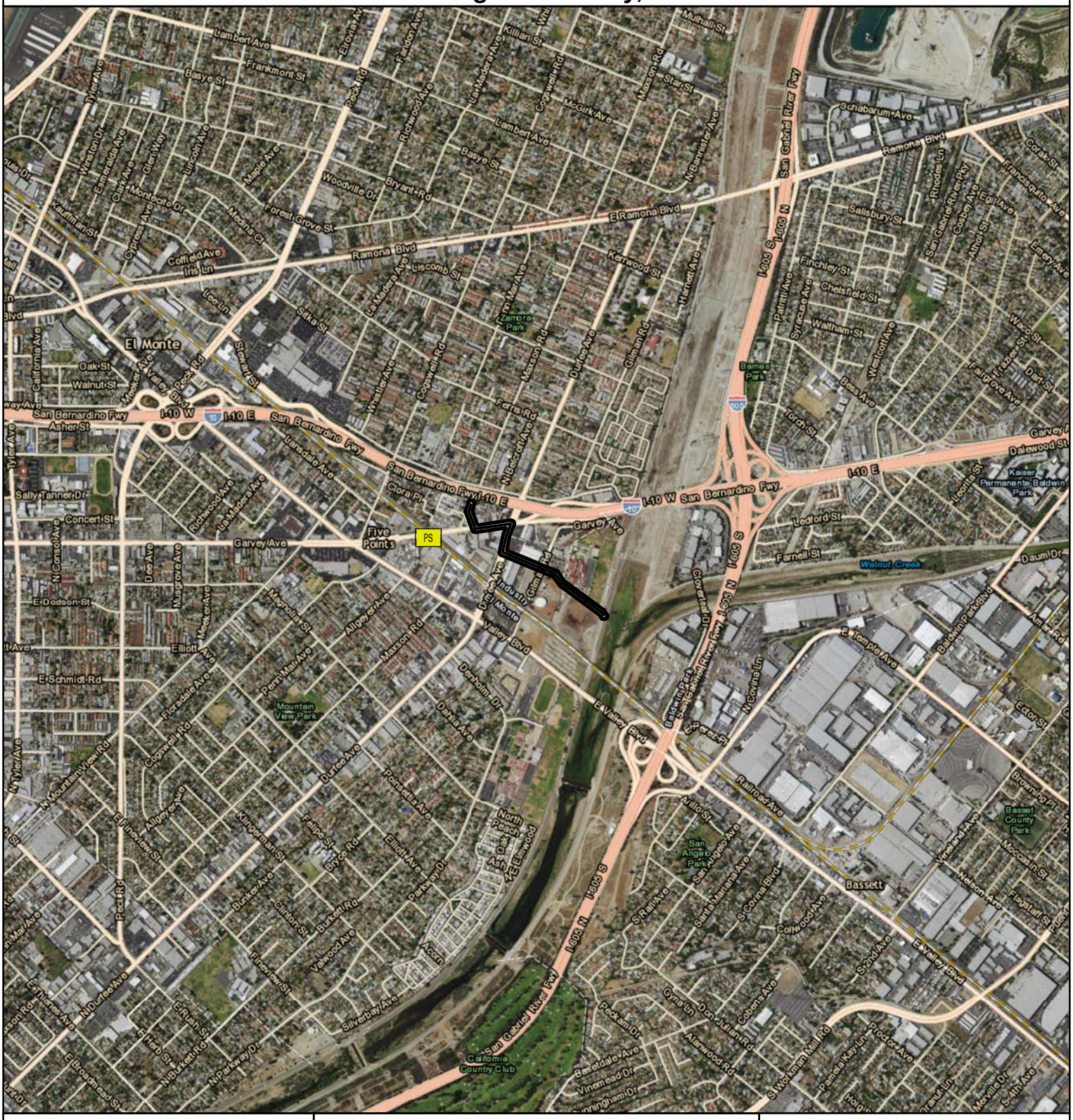
0 0.125 0.25 0.5 Miles

Legend

PS APE - Garvey Pump Station

APE - Proposed Storm Drain

US EPA SAAP Grant Funding,
City of El Monte Garvey Avenue Underpass Drainage Improvement Project
Los Angeles County, CA



Enclosure 2
APE (Aerial)

N

1:24,000

0 0.125 0.25 0.5 Miles

Legend

PS APE - Garvey Pump Station

APE - Proposed Storm Drain

TETRA TECH

Enclosure 3: Results of CHRIS Records Search (CONFIDENTIAL)

South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395 / FAX 657.278.5542
sccic@fullerton.edu

California Historical Resources Information System
Los Angeles, Orange, San Bernardino, and Ventura Counties

4/27/2016 Records Search File No.: 16371.2401

Erin King
TetraTech, Inc
17885 Von Karman Ave
Irvine CA 92614

Re: EPA/El Monte – Garvey Ave Underpass Drainage Improvement Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Baldwin Park, CA and El Monte, CA USGS 7.5' quadrangles. The following reflects the results of the records search for the project area and a 1-mile radius:

As indicated on the data request form, the locations of reports and resources are provided in the following format: ☐ custom GIS maps ☒ shape files

Resources within project area: 0	None
Resources within 1-mile radius: 18	SEE ATTACHED LIST
Reports within project area: 0	None
Reports within 1-mile radius: 39	SEE ATTACHED LIST

Resource Database Printout (list):	☒ enclosed	☐ not requested	☐ nothing listed
Resource Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Digital Database (spreadsheet):	☒ enclosed	☐ not requested	☐ nothing listed
Report Database Printout (list):	☐ enclosed	☒ not requested	☐ nothing listed
Report Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Report Digital Database (spreadsheet):	☒ enclosed	☐ not requested	☐ nothing listed
Resource Record Copies:	☐ enclosed	☐ not requested	☒ nothing listed
Report Copies:	☐ enclosed	☐ not requested	☒ nothing listed
OHP Historic Properties Directory:	☒ enclosed	☐ not requested	☐ nothing listed
Archaeological Determinations of Eligibility:	☐ enclosed	☐ not requested	☒ nothing listed

Historical Maps: ☒ enclosed ☐ not requested ☐ nothing listed

Ethnographic Information: ☒ not available at SCCIC

Historical Literature: ☒ not available at SCCIC

GLO and/or Rancho Plat Maps: ☒ not available at SCCIC

Caltrans Bridge Survey: ☒ not available at SCCIC; please go to http://www.dot.ca.gov/hq/structur/strmaint/historic.htm

Shipwreck Inventory: ☒ not available at SCCIC; please go to http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp

Soil Survey Maps: (see below) ☒ not available at SCCIC; please go to http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,

Lindsey Noyes
Lead Staff Researcher

Enclosures:

(X) GIS Shapefiles – S7 shapes

(X) Resource Database Printout (list) – 4 pdf pages

(X) Resource Digital Database (spreadsheet) – 18 lines

(X) Report Digital Database (spreadsheet) – 39 lines

(X) OHP Historic Properties Directory – 10 pdf pages

(X) National Register Status Codes – 1 pdf page

(X) Historical Maps – 8 pdf pages

(X) Invoice #16371.2401

Reports List

ReportNum	IsVoided	IsMissing	IDs	Authors	CitYear	CitTitle	CitPublisher	CitPages	ReportType	InventorySize	InventoryDisclosure	InventoryCollections	InventoryNotes	Resources	ResourceCount	HasInformals	Counties	Maps
LA-00208	No	No		Horne, Wiley	1976	Letter Report of Archaeological Survey for a Los Angeles County Sanitation Dist. Project Engineer Report for Tyler Avenue Relief Trunk Sewer Section 2	University of California, Los Angeles Archaeological Survey		Archaeological, Field study						0	No	Los Angeles	EL MONTE
LA-00217	No	No		Hector, Susan M.	1976	Archaeological Record Search for the Proposed Renovation and Addition to Lambert Park Or to Mountain View Park, City of El Mont			Archaeological, Field study						0	No	Los Angeles	EL MONTE
LA-00294	No	No		Adams, Andrea		A Preliminary Archaeological Literature Search for the Community Development Plan	University of California, Los Angeles Archaeological Survey	8	Literature search	Unknown	Unrestricted	Unknown	Mapped to resources listed, removed from unmappable folder. The communites of Lopez, Maravilla Sunshine Acres and Westmont could not be located and may either be on the quads given or others not mentioned.	19-000036, 19-000136, 19-000158, 19-000167, 19-000182, 19-000300, 19-000342, 19-000385	8	No	Los Angeles	BALDWIN PARK, PASADENA, SAN FERNANDO, SOUTH GATE, SUNLAND, WHITTIER
LA-00637	No	No		Zahniser, Jack L.	1979	Final Environmental Impact Report S & S Construction Company Twin Lakes Condominium Project Zone Change 8-78	Chambers Group, Inc.	7	Archaeological, Field study	22 ac	Not for publication	No			0	No	Los Angeles	EL MONTE
LA-01220	No	No		Boxt, Matthew, Richard Aycock, and Susan Colby	1983	An Archaeological Survey and Impact Assessment of the Valley Blvd. Redevelopment Project, Located in the City of Industry, Los Angeles County, California	University of California, Los Angeles Archaeological Survey		Archaeological, Field study	60 ac					0	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-02412	No	No		Singer, Clay A.	1968	Ucla Archaeological Survey Field Project Number Ucas-086.	University of California, Los Angeles Archaeological Survey	4	Archaeological, Field study	5 li mi					0	No	Los Angeles	AZUSA, BALDWIN PARK
LA-02871	No	No		Wlodarski, Robert J. and Dan Larson	1993	Department of Transportation Negative Archaeological Survey Report Dpd-ep-25 (revised 2/83) Interstate 10 (i-10) Between Baldwin Avenue in City of El Monte on the West and the Inbterchange Between I-10 and I-605	Historical, Environmental, Archaeological, Research, Team		Archaeological, Field study	3 li mi					0	No	Los Angeles	EL MONTE
LA-02894	No	No		De Barros, Phillip	1993	Cultural Resources Survey of Area of Potential Effects of Proposed Dam Near Drop Structure No. 13 Within the San Gabriel River, Los Angeles County, California	Chambers Group, Inc.		Archaeological, Field study	62 ac					0	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-03056	No	No		Wlodarski, Robert J.	1994	Negative Archaeological Survey Report Minor Widening for I-10 Malibu, California.	Historical, Environmental, Archaeological, Research, Team	23	Archaeological, Field study	2 li mi	Not for publication	No			0	No	Los Angeles	BALDWIN PARK
LA-03823	No	No		Wlodarski, Robert J.	1981	Literature Search for Property Located Along the South Side of Valley Boulevard, East of the San Gabriel Freeway, West of Turnbull Canyon Road, in the City of Industry, County of Los Angeles, California	Pence Archaeological Consulting		Literature search	167 ac					0	No	Los Angeles	BALDWIN PARK
LA-03834	No	No		Wlodarski, Robert J.	1997	A Phase 1 Archaeological Study for Proposed Senior Housing Facilities Located at 3843-3849 Maxson Road, El Monte, California	Historical, Environmental, Archaeological, Research, Team		Archaeological, Field study	45330 sq ft					0	No	Los Angeles	EL MONTE
LA-04835	No	No		Ashkar, Shahira	1999	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Riverside, Los Angeles and Riverside Counties	Jones & Stokes Associates, Inc.	79	Archaeological, Field study	QC				19-186109, 19-186112, 19-187090	3	No	Los Angeles	BALDWIN PARK, EL MONTE, HOLLYWOOD, LA HABRA, LOS ANGELES, ONTARIO, SAN DIMAS, SOUTH GATE, WHITTIER, YORBA LINDA
LA-04880	No	No		Smith, Philomene and Sriro, Adam	2000	Pavement Rehabilitation Along Route 605 Within the Cities of Long Beach, Lakewood, Cerritos, Downey, Pico Rivera, Santa Fe Springs, Whittier, City of Industry, Baldwin Park and Irwindale.	Caltrans	8	Literature search	>1 line miles					0	No	Los Angeles	AZUSA, BALDWIN PARK, EL MONTE, LONG BEACH, LOS ALAMITOS, WHITTIER
LA-05468	No	No		Duke, Curt	2000	Cultural Resource Assessment for At&t Fixed Wireless Services Facility Number La_340_a, County of Los Angeles, California	LSA Associates, Inc.		Literature search	<1 ac					0	No	Los Angeles	EL MONTE
LA-06114	No	No		Conkling, Steven W. and McLean, Deborah K.B.	2002	Monitoring and Inadvertent Discovery Plan for Proposed Wells and Treated Water Pipelines for Treatment Plant B-6 and B-5, Cities of El Monte, Baldwin Park and Industry, Los Angeles County, California	LSA Associates, Inc.		Excavation, Monitoring	5.3 limi and 1 ac=buildin			Only what is shown on 1:24,000 scale provided is mapped	19-000136	1	No	Los Angeles	BALDWIN PARK
LA-06279	No	No		Duke, Curt	2001	Cultural Resource Assessment Cingular Wireless Facility No. Vy 131-03 Los Angeles County, California	LSA Associates, Inc.	10	Literature search	.25 ac	Not for publication	No			0	No	Los Angeles	BALDWIN PARK
LA-06282	No	No		Duke, Curt	2001	Cultural Resource Assessment for at & T Fixed Wireless Services Facility Number La_156_a, County of Los Angeles, California	LSA Associates, Inc.		Archaeological, Field study	.25 ac					0	No	Los Angeles	BALDWIN PARK
LA-06310	No	No		Duke, Curt	2002	Cultural Resource Assessment at & T Wireless Services Facility No. 11015a-01 Los Angeles County, California	LSA Associates, Inc.		Literature search	.25 ac			Union Pacific Railroad (Southern Pacific Railroad) is approx. 750 feet SW of facility		0	No	Los Angeles	EL MONTE
LA-06318	No	No		Duke, Curt	2002	Cultural Resource Assessment Cingular Wireless Facility No. Vy 120-02 Los Angeles County, California	LSA Associates, Inc.		Literature search	.25 ac					0	No	Los Angeles	EL MONTE
LA-07236	No	No		Bonner, Wayne H.	2005	Cultural Resources Records Search Results and Site Visit for Cingular Site Candidate Sv-047-01 (sonoco), 166 North Baldwin Park Boulevard, Industry, Los Angeles County, California	Michael Brandman Associates		Archaeological, Field study, Literature search	< 1 ac				19-000136	1	No	Los Angeles	BALDWIN PARK
LA-08697	No	No		Bonner, Wayne H.	2006	Cultural Resources Records Search and Site Visit Results for Cingular Wireless Candidate Sv-0048-01 (moller Shopping Center) 12010 Ramona Boulevard, El Monte, Los Angeles County, California	Michael Brandman Associates		Archaeological, Field study	< 1 ac					0	No	Los Angeles	EL MONTE
LA-09242	No	No		Bonner, Wayne H.	2007	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate IE25751A (Rebuilt Engines and Parts Store), 12156 Ramona Boulevard, El Monte, Los Angeles County, California	Michael Brandman Associates	11	Archaeological, Field study						0	No	Los Angeles	EL MONTE

Reports List

ReportNum	IsVoided	IsMissing	IDs	Authors	CitYear	CitTitle	CitPublisher	CitPages	ReportType	InventorySize	InventoryDisclosure	InventoryCollections	InventoryNotes	Resources	ResourceCount	HasInformals	Counties	Maps
LA-09705	No	No		Anonymous	2007	Cultural Resources Inventory of the Southern California Edison Company Tehachapi Renewable Transmission Project, Kern, Los Angeles and San Bernardino Counties, California. ARR #05-01-01046	Pacific Legacy, Inc.	138	Archaeological, Field study	QC			Previously Unmappable, mapped to LA-10175	19-001128, 19-001299, 19-001300, 19-001315, 19-001359, 19-001382, 19-002131, 19-002206, 19-002212, 19-002350, 19-002363, 19-002411, 19-002412, 19-002998, 19-003018, 19-003025, 19-003031, 19-003032, 19-003136, 19-003141, 19-003152, 19-003720, 19-003721, 19-003722, 19-003723, 19-003727, 19-003728, 19-003729, 19-003730, 19-003731, 19-003732, 19-003733, 19-003734, 19-003735, 19-003736, 19-003737, 19-003738, 19-003739, 19-003740, 19-003741, 19-003742, 19-003990, 19-100631, 19-100806, 19-100807, 19-100808	46	No	Los Angeles	ACTON, AZUSA, BALDWIN PARK, CHILAO FLAT, CONDOR PEAK, EL MONTE, MT WILSON, PACIFICO MOUNTAIN, PASADENA
LA-10151	No	No		Cotterman, Cary D. and Evelyn N. Chandler	2008	Cultural Resources Inventory of Proposed Pole Replacement in the City of Baldwin Park, Los Angeles County, CA	ECORP Consulting, Inc.	16	Archaeological, Field study		Not for publication	No			0	No	Los Angeles	BALDWIN PARK
LA-10175	No	No		Unknown	2009	Confidential Cultural Resources Specialist Report for the Tehachapi Transmission Project	Applied Earthworks, Aspen Environmental Group	381	Archaeological, Field study, Other research	QC	Not for publication	No	Also OR 3777	19-000806, 19-001128, 19-001299, 19-001300, 19-001315, 19-001357, 19-001382, 19-001636, 19-001770, 19-001771, 19-001783, 19-001956, 19-001957, 19-002206, 19-002212, 19-002343, 19-002350, 19-002363, 19-002411, 19-002412, 19-003009, 19-003018, 19-003025, 19-003031, 19-003032, 19-003037, 19-003090, 19-003099, 19-003136, 19-003152, 19-003295, 19-003385, 19-003477, 19-003606, 19-003638, 19-003795, 19-003852, 19-003853, 19-003854, 19-100277, 19-100439, 19-100496, 19-100644, 19-120031, 19-120032, 19-120072, 19-120074, 19-180689, 19-186545, 19-186860, 19-186870, 19-186871, 19-186872, 19-186873, 19-186875, 19-186876, 19-186877, 19-186917, 19-186921, 19-186923, 19-186925, 19-187713	62	Yes	Los Angeles	ACTON, AZUSA, BALDWIN PARK, CHILAO FLAT, CONDOR PEAK, DEL SUR, EL MONTE, FAIRMONT BUTTE, LA HABRA, LAKE HUGHES, LANCASTER WEST, LITTLE BUTTES, LOS ANGELES, MT WILSON, PACIFICO MOUNTAIN, PALMDALE, PASADENA, RITTER RIDGE, SLEEPY VALLEY, WATERMAN MTN, WHITTIER, YORBA LINDA
LA-10189	No	No	Paleo -	Gust, Sherri and Sara Alarcon	2003	Archaeological and Paleontological Evaluation Report and Mitigation Plan for the Interstate 605 Soundwall Project, from Whittier to Baldwin Park, Los Angeles County, CA	Cogstone Resource Management Inc.	37	Archaeological, Field study		Unrestricted	No		19-000136, 19-000182, 19-178611, 19-186112, 19-186571, 19-186804	6	No	Los Angeles	BALDWIN PARK, EL MONTE, WHITTIER
LA-10190	No	No		Harbert, Claudia	2002	Supplemental Historic Property Survey Report for the I-10 HOV Lane Between I-605 and the SR-57/SR-71/I-210 Interchange in the Cities of Los Angeles, Baldwin Park, West Covina, Covina, San Dimas, and Pomona in Los Angeles County, CA	Caltrans	82	Archaeological, Field study	QC	Not for publication	No		19-188913, 19-188914, 19-188915, 19-188916, 19-188917, 19-188918, 19-188919, 19-188920, 19-188921, 19-188922, 19-188923, 19-188924, 19-188925, 19-188926, 19-188927, 19-188928, 19-188929, 19-188930, 19-188931, 19-188932, 19-188933, 19-188934, 19-188935, 19-188936, 19-188937, 19-188938, 19-188939, 19-188940, 19-188941, 19-188942, 19-188943, 19-188944, 19-188945, 19-188946, 19-188947, 19-188948, 19-188949, 19-188950, 19-188951, 19-188952, 19-188953, 19-188954, 19-188955, 19-188956, 19-188957, 19-188958, 19-188959, 19-188960, 19-188961, 19-188962, 19-188963, 19-188964, 19-188965, 19-188966, 19-188967, 19-188968, 19-188969, 19-188970, 19-188971, 19-188972, 19-188973, 19-188974, 19-188975, 19-188976, 19-188977, 19-188978, 19-188979, 19-188980, 19-188981, 19-188982	70	No	Los Angeles	BALDWIN PARK, SAN DIMAS
LA-10501	No	No		Toren, George A.	1994	Cultural Resource Survey of Three Segments of the Proposed San Gabriel Valley Water Reclamation Project, Los Angeles County, California	Greenwood and Associates	17	Archaeological, Field study		Not for publication	No		19-002207	1	No	Los Angeles	AZUSA, BALDWIN PARK, EL MONTE
LA-10502	No	No		Wrobleski, David E. and Richard A. Krautkramer	2001	A Class III Archaeological Investigation for Proposed Wells and Treated Water Pipelines Adjoining the Plant B-6 and B-5 Treatment Facility Project, Los Angeles County, California	Express Archaeological Solutions	52	Archaeological, Excavation, Field study		Not for publication	No		19-000136	1	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-10532	No	No		Landis, Daniel G.	1993	A Prelimiary Cultural Resources Overview for the Proposed San Gabriel Valley Reclamation Program, Los Angeles County, California	Greenwood & Associates	13	Archaeological, Other research						0	No	Los Angeles	AZUSA, BALDWIN PARK, EL MONTE
LA-10600	No	No		Strauss, Monica	2007	Draft - Cultural Resources Assessment for the Proposed Woodland Duck Farm Project, Avocado Heights, Los Angeles County, California	EDAW, Inc.	71	Archaeological, Field study		Not for publication	No		19-004079	1	No	Los Angeles	EL MONTE
LA-10641	No	No		Tang, Bai "Tom"	2010	Preliminary Historical/Archaeological Resources Study, San Bernadino Line Positive Train Control Project, Southern California Regional Rail Authority, Counties of Los Angeles and San Bernadino	CRM Tech	30	Archaeological, Field study	QC	Not for publication	No			0	No	Los Angeles	BALDWIN PARK, EL MONTE, LOS ANGELES, ONTARIO, SAN DIMAS
LA-10883	No	No		Stewart, Noah M.	2008	Finding of no adverse effect - Interstate Route 10-605 Interchange Improvement 07-LA-10/605 PM 31.2/20.9 EA:245400	California Department of Transportation, District 7	85	Architectural/historical, Evaluation		Not for publication	No		19-188983	1	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-11784	No	No		Stewart, Noah	2012	Supplemental Finding of No Adverse Effect, Interstate Route 10-605 Interchange Improvement	California Department of Transportation	29	Archaeological, Field study						0	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-11887	No	No		Billat, Lorna	2012	New Tower Submission Packet, Garvey Shopping Center	EarthTouch	47	Archaeological, Field study						0	No	Los Angeles	EL MONTE
LA-11989	No	No		Panich, Lee and Holson, John	2010	Supplemental Archaeological Survey Report, 66KV Transmission Lines Access Roads, Tehachapi Renewable Transmission Project Segments 7 and 8, Los Angeles and San Bernardino Counties, California	Pacific Legacy	52	Archaeological, Field study					19-000858, 19-001009, 19-001311, 19-002583, 19-003121, 19-003551, 19-003813, 19-003814, 19-186112, 19-186889	10	No	Los Angeles	BALDWIN PARK, EL MONTE, LOS ANGELES
LA-11990	No	No		Wetherbee, Matthew, Jackson, Thomas, and Tinsley-Becker, Wendy	2010	Supplemental Cultural Resources Survey Report for the Southern California Edison Tehachapi Renewable Transmission Project Segment 7 Rio Hondo-Amamdor-Jose-Mesa 66kv Line Relocation, Los Angeles County, California	Pacific Legacy & Urbana Preservation and Planning	30	Archaeological, Field study					19-003814, 19-004079, 19-004117, 19-004118	4	No	Los Angeles	BALDWIN PARK, EL MONTE
LA-11991	No	No		Schneider, Tsim and Holson, John	2010	Supplemental Archaeological Survey Report #2, Tehachapi Renewable Transmission Project Segment 7, Los Angeles County, California	Pacific Legacy	51	Archaeological, Field study					19-003813, 19-186917	2	No	Los Angeles	BALDWIN PARK, EL MONTE

Reports List

ReportNum	IsVoided	IsMissing	IDs	Authors	CitYear	CitTitle	CitPublisher	CitPages	ReportType	InventorySize	InventoryDisclosure	InventoryCollections	InventoryNotes	Resources	ResourceCount	HasInformals	Counties	Maps
LA-12558	No	No	Paleo -	Maxon, Patrick	2012	Cultural Resources Study for the Proposed Interstate 605/Valley Boulevard Interchange Improvement Project, City of Industry, Los Angeles County, California	BonTerra Consulting	14	Archaeological, Field study		Not for publication			19-000136, 19-004079, 19-186112	3	No	Los Angeles	EL MONTE

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-000136	CA-LAN-000136		Site, Other	Prehistoric	AP09 (Burials); AP15 (Habitation debris); AP16 (Other)	1967 (C. King)	LA-00069, LA-00294, LA-00331, LA-01440, LA-03070, LA-03583, LA-06114, LA-07236, LA-08669, LA-10189, LA-10502, LA-12558
P-19-004079	CA-LAN-004079H	Resource Name - Woodland Duck Farms & Equestrian Center, Louise A. Ward Residence; Other - Woodland Farm; Other - Duck Farm; Other - Louise A. Ward Residence	Building, Structure, Site, District	Historic	AH02 (Foundations/structure pads); HP02 (Single family property); HP06 (1-3 story commercial building); HP31 (Urban open space); HP33 (Farm/ranch); HP37 (Highway/trail); HP39 (Other) - Barn / Equestrian Ring	2010 (Wendy L. Tinsley Becker, AICP); 2010 (Lee Panich, Pacific Legacy, Inc.)	LA-10600, LA-11990, LA-12558

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-186112		Resource Name - Union Pacific RR, Southern Pacific R R Los Angeles Division; Other - C-Los Angeles-A-1; Other - MetroLink Riverside Line; Other - SPRR Los Angeles Division; Other - SPRR Sunset Line; Other - Map Reference #2-35	Structure	Historic	AH07 (Roads/trails/railroad grades); HP11 (Engineering structure); HP39 (Other) - railroad grade	1999 (S. Ashkar, Jones & Stokes); 2002 (Rand F. Herbert, JPR Historical Consulting Services); 2009 (R. Ramirez and F. Smith, SWCA Environmental Consultants); 2009 (F. Smith and J. Steely, SWCA Environmental Consultants)	LA-04835, LA-05125, LA-05501, LA-05643, LA-07528, LA-07834, LA-07943, LA-07954, LA-08231, LA-08249, LA-08298, LA-08299, LA-08517, LA-08635, LA-08667, LA-08671, LA-08701, LA-08703, LA-08733, LA-08744, LA-08821, LA-08822, LA-08826, LA-08827, LA-08911, LA-09156, LA-09199, LA-09236, LA-09271, LA-09441, LA-09660, LA-09795, LA-09880, LA-09894, LA-10189, LA-10284, LA-10299, LA-10323, LA-10340, LA-10394, LA-10513, LA-10638, LA-10698, LA-10911, LA-10937, LA-10940, LA-10942, LA-10997, LA-10998, LA-11048, LA-11060, LA-11065, LA-11077, LA-11180, LA-11253, LA-11293, LA-11405, LA-11537, LA-11590, LA-11775, LA-11808, LA-11821, LA-11988, LA-11989, LA-12133, LA-12211, LA-12212, LA-12349, LA-12499,

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
							LA-12526, LA-12552, LA-12558, LA-12697, VN-03153
P-19-186876		Resource Name - SCE Eagle Rock-Pardee & Antelope-Vincent No.1 220kV Transmission Line Corridor; USFS - 05-01-55-186; Other - Vincent 220 kV transmission Line; Other - SRI-1302; Other - SCE Big Creek Hydroelectric System Company Vincent 220kv; Other - Big Creek #2-Springville, Magunden-Springville #1, Antelope-Magunden #2; Other - Antelope Vincent; Other - Antelope-Eagle Rock, Pardee-Vincent, Eagle Rock-Pardee 220kV Transmission Lines; Other - Antelope-Mesa 220 kV Transmission Line; Other - Magunden-Mesa 220 kV Transmission Line	Structure, Element of district	Historic	AH16 (Other); HP11 (Engineering structure); HP39 (Other)	2003 (James J. Schmidt and June A. Schmidt, Compass Rose); 2006 (Koral Ahmet and Sara Bholat, ECORP Consutling); 2010 (Wendy L. Tinsley Becker, Urbana Preservation & Planning); 2010 (Wendy L. Tinsley Becker, Urban Preservation & Planning); 2011 (Wendy L. Tinsley Becker, Urbana Preservation & Planning); 2011 (Patrick Stanton, SRI); 2012 (Wendy L. Tinsley Becker, Urbana Preservation & Planning); 2014 (Daniel Leonard, BCR Consulting)	LA-03705, LA-08179, LA-09758, LA-09762, LA-10175, LA-10470, LA-11872, LA-11873, LA-11986, LA-11987, LA-12273, LA-12503, LA-12528, LA-12789, OR-03777
P-19-187085		Resource Name - The Mojave Rd; CHL - 963	Other	Historic	HP37 (Highway/trail)	1989 (S. Elder)	LA-12788, LA-12808
P-19-188913		OHP Property Number - 136375	Building	Historic	HP03 (Multiple family property)	2002 (Claudia A. Harbert, Caltrans)	LA-10190
P-19-188914		OHP Property Number - 136376	Building	Historic	HP03 (Multiple family property)	2002 (Claudia A. Harbert, Caltrans)	LA-10190
P-19-188915		OHP Property Number - 136377	Building		HP02 (Single family property)	2002 (Claudia A. Harbert, Caltrans)	LA-10190
P-19-188916		OHP Property Number - 136378	Building		HP03 (Multiple family property)	2002 (Claudia A. Harbert, Caltrans)	LA-10190
P-19-188917		OHP Property Number - 136379	Building		HP03 (Multiple family property)	2002 (Claudia A. Harbert, Caltrans)	LA-10190

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-188918		OHP Property Number - 136380	Building		HP02 (Single family property); HP06 (1-3 story commercial building)	2002 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188919		OHP Property Number - 136381	Building		HP03 (Multiple family property)	2002 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188921		OHP Property Number - 136383; OHP Property Number - 095025; OHP Property Number - 136386	Building		HP03 (Multiple family property)	2001 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188922		OHP Property Number - 136384	Building	Historic	HP03 (Multiple family property)	2001 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188923		OHP Property Number - 136385	Building		HP03 (Multiple family property)	2001 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188924		OHP Property Number - 136387	Building		HP03 (Multiple family property)	2001 (Kelly F. Ewing, Caltrans)	LA-10190
P-19-188983		Resource Name - L A Dept of Water & Power Boudler Lines North & South; Other - LADWP Boulder Lines 1 & 2; Other - Boulder Dam-Los Angeles 287.5 kV Transmission Line	Element of district	Historic	HP09 (Public utility building); HP11 (Engineering structure)	1999 (Stephen Van Wormer, KEA); 2008 (Noah M. Stewart, Caltrans District 7)	LA-10883, LA-11400, LA-11746, LA-12041, LA-12096, LA-12103, LA-12133, LA-12296, LA-12306, LA-12465, LA-12756
P-19-190504		Resource Name - SCE Rio Hondo-Amador-Jose-Mesa-Narrows 66kV Transmission Line	Structure	Historic	HP11 (Engineering structure)	2010 (Wendy L. Tinsley Becker, Urbana Preservation & Planning)	LA-12552

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
153167		217 S CERRITOS AVE		AZUSA		1952	PROJ.REVW.	HUD030710C	11/14/03	6U	
114020		124 SANTA FE AVE		AZUSA	P		HIST.RES.	DOE-19-98-0014-0000	01/22/98	6Y	
							PROJ.REVW.	HUD971211Z	01/22/98	6Y	
120022		120 W 3RD ST		AZUSA	U	1915	HIST.RES.	DOE-19-97-0166-0000	10/15/97	6U	
							PROJ.REVW.	HUD980109K	10/15/97	6U	
125537		529 W 5TH ST		AZUSA	U	1926	HIST.RES.	DOE-19-97-0257-0000	10/06/97	6Y	
							PROJ.REVW.	HUD971006G	10/06/97	6Y	
127669		1003 W HOLLYVALE ST		AZUSA		1947	HIST.RES.	DOE-19-00-0370-0000	02/19/01	6Y	
							PROJ.REVW.	HUD010227G	02/19/01	6Y	
116019			SAN GABRIEL DAM BLDG FC 22	(VIC) AZUSA	F	1929	CHRIS	19-150038	07/20/95	7	
069342			BALDWIN PARK CITY HALL	BALDWIN PARK	U		PROJ.REVW.		10/28/77	2S	
153181		3570 AHERN DR		BALDWIN PARK	P	1953	PROJ.REVW.	HUD050324B	04/19/05	6Y	
130642		14126 ANADA ST		BALDWIN PARK	P	1952	HIST.RES.	DOE-19-02-0031-0000	03/20/02	6Y	
							PROJ.REVW.	HUD020313F	03/20/02	6Y	
152778		4951 ASUZA CANYON RD		BALDWIN PARK	P	1953	HIST.RES.	DOE-19-05-0035-0000	02/04/05	6Y	
							PROJ.REVW.	HUD050128A	02/04/05	6Y	
186372		4853 AZUSA CANYON RD		BALDWIN PARK	P		PROJ.REVW.	HUD100315N	04/08/10	6Y	
142984		4337 BALDWIN PARK BLVD		BALDWIN PARK	P	1949	HIST.RES.	DOE-19-03-0226-0000	08/29/03	6Y	
							PROJ.REVW.	HUD030813C	08/29/03	6Y	
154776		6321 BALDWIN PARK BLVD		BALDWIN PARK	P	1948	PROJ.REVW.	HUD050701A	07/18/05	6Y	
079907		14103 BALENTINE PL		BALDWIN PARK	U	1942	PROJ.REVW.	HUD921201C	01/25/93	6Y	
153881		13325 BELGATE ST		BALDWIN PARK	P	1952	PROJ.REVW.	HUD050428C	04/29/05	6Y	
162007		4219 BENHAM AVE		BALDWIN PARK	P	1954	PROJ.REVW.	HUD060508H	05/10/06	6Y	
152776		1629 BIG DALTON AVE		BALDWIN PARK	P	1953	HIST.RES.	DOE-19-05-0033-0000	02/04/05	6Y	
							PROJ.REVW.	HUD050126A	02/04/05	6Y	
152777		1707 BIG DALTON AVE		BALDWIN PARK	P	1949	HIST.RES.	DOE-19-05-0034-0000	02/04/05	6Y	
							PROJ.REVW.	HUD050126B	02/04/05	6Y	
095016		1741 BIG DALTON AVE		BALDWIN PARK	P	1926	HIST.RES.	DOE-19-02-1161-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
							HIST.RES.	DOE-19-95-0375-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
136395		1747 BIG DALTON AVE		BALDWIN PARK	P	1927	HIST.RES.	DOE-19-02-1162-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
179090		4085 BRESEE AVE		BALDWIN PARK	P	1949	PROJ.REVW.	HUD100429F	05/05/10	6Y	
153227		1880 CALINO AVE		BALDWIN PARK	P	1954	PROJ.REVW.	HUD050103K	01/07/05	6Y	
153883		4019 CENTER ST		BALDWIN PARK	P	1947	PROJ.REVW.	HUD050428D	04/29/05	6Y	
094202		14709 CLARK ST		BALDWIN PARK	P	1920	PROJ.REVW.	HUD941027S	01/05/95	6Y	
094498		14733 CLARK ST		BALDWIN PARK	P	1912	PROJ.REVW.	HUD950127A	02/17/95	6Y	
146859		3632 COSBEY AVE		BALDWIN PARK	P	1951	HIST.RES.	DOE-19-04-0046-0000	05/13/04	6Y	
							PROJ.REVW.	HUD040503B	05/13/04	6Y	
136375		12836 DALEWOOD ST		BALDWIN PARK	P	1938	PROJ.REVW.	FHWA020703A	09/06/02	6Y	
							HIST.RES.	DOE-19-02-1140-0000	09/06/02	6Y	
136376		12901 DALEWOOD ST		BALDWIN PARK	P	1948	PROJ.REVW.	FHWA020703A	09/06/02	6Y	
							HIST.RES.	DOE-19-02-1141-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
185104		13413 DUNIA ST		BALDWIN PARK	P	1956	PROJ.REVW.	HUD110902E	09/14/11	6Y	
095013		1532 E GARVEY AVE		BALDWIN PARK		1912	HIST.RES.	DOE-19-95-0373-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095014		2340 E GARVEY AVE		BALDWIN PARK		1937	HIST.RES.	DOE-19-95-0374-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
149813		4861 ELTON ST		BALDWIN PARK	P	1953	HIST.RES.	DOE-19-04-0142-0000	07/15/04	6Y	
							PROJ.REVW.	HUD040610A	07/15/04	6Y	
146818		4308 FILHURST AVE		BALDWIN PARK	P	1948	HIST.RES.	DOE-19-04-0031-0000	01/12/04	6Y	
							PROJ.REVW.	HUD031222C	01/12/04	6Y	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
139214		3749 FOSTER AVE		BALDWIN PARK	P	1926	HIST.RES.	DOE-19-03-0096-0000	04/08/03	6Y	
							PROJ.REVW.	HUD030403C	04/08/03	6Y	
139216		13106 FRANCISQUITO AVE		BALDWIN PARK	P	1947	HIST.RES.	DOE-19-03-0098-0000	04/08/03	6Y	
							PROJ.REVW.	HUD030403D	04/08/03	6Y	
136379		805 FRAZIER ST		BALDWIN PARK	P	1947	HIST.RES.	DOE-19-02-1144-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136378		807 FRAZIER ST		BALDWIN PARK	P	1948	PROJ.REVW.	FHWA020703A	09/06/02	6Y	
							HIST.RES.	DOE-19-02-1143-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136377		819 FRAZIER ST		BALDWIN PARK	P	1948	PROJ.REVW.	FHWA020703A	09/06/02	6Y	
							HIST.RES.	DOE-19-02-1142-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136386		856 FRAZIER ST		BALDWIN PARK	P		HIST.RES.	DOE-19-02-1152-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
182986		3451 FRAZIER ST		BALDWIN PARK	P	1948	PROJ.REVW.	HUD100706E	07/26/10	6Y	
147598		13730 FRAZIER ST		BALDWIN PARK	P	1946	HIST.RES.	DOE-19-04-0100-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040520A	06/18/04	6Y	
095017		12793 GARVEY AVE		BALDWIN PARK		1940	HIST.RES.	DOE-19-95-0376-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
136380		12957 GARVEY AVE		BALDWIN PARK	P	1938	HIST.RES.	DOE-19-02-1145-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136381		12961 GARVEY AVE		BALDWIN PARK	P	1948	HIST.RES.	DOE-19-02-1146-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136382		13057 GARVEY AVE		BALDWIN PARK	P	1953	HIST.RES.	DOE-19-02-1147-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136388		13079 GARVEY AVE		BALDWIN PARK	P	1948	HIST.RES.	DOE-19-02-1154-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136389		13109 GARVEY AVE		BALDWIN PARK	P	1948	HIST.RES.	DOE-19-02-1155-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136390		13127 GARVEY AVE		BALDWIN PARK	P	1946	HIST.RES.	DOE-19-02-1156-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136391		13247 GARVEY AVE		BALDWIN PARK	P	1946	HIST.RES.	DOE-19-02-1157-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
136394		14133 GARVEY AVE		BALDWIN PARK	P	1955	HIST.RES.	DOE-19-02-1160-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
095018		14145 GARVEY AVE		BALDWIN PARK			HIST.RES.	DOE-19-95-0377-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095019		14173 GARVEY AVE		BALDWIN PARK		1930	HIST.RES.	DOE-19-95-0378-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095020		14227 GARVEY AVE		BALDWIN PARK		1939	HIST.RES.	DOE-19-95-0379-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095021		14237 GARVEY AVE		BALDWIN PARK			HIST.RES.	DOE-19-95-0380-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095022		14257 GARVEY AVE		BALDWIN PARK		1938	HIST.RES.	DOE-19-95-0381-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095023		14265 GARVEY AVE		BALDWIN PARK		1940	HIST.RES.	DOE-19-95-0382-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
094997		14277 GARVEY AVE		BALDWIN PARK		1935	HIST.RES.	DOE-19-95-0358-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
095024		14277 GARVEY AVE		BALDWIN PARK		1940	HIST.RES.	DOE-19-95-0383-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	
136396		14345 GARVEY AVE		BALDWIN PARK	P	1936	HIST.RES.	DOE-19-02-1163-0000	09/06/02	6Y	
							PROJ.REVW.	FHWA020703A	09/06/02	6Y	
094998		15325 GARVEY AVE		BALDWIN PARK		1937	HIST.RES.	DOE-19-95-0359-0000	03/13/95	6Y	
							PROJ.REVW.	FHWA950113A	03/13/95	6Y	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HRG940202Z	07/13/95	6Y	
100358		31616 N RIDGE RTE RD	CASTAIC UNION SCHOOL DIST-ORIGINAL	CASTAIC	D	1928	HIST.RES.	DOE-19-95-0111-0000	07/13/95	6Y	
							PROJ.REVW.	HRG940202Z	07/13/95	6Y	
183358		16717 NORWALK BLVD		CERRITOS	Y		PROJ.REVW.	FCC100405B	04/05/10	6Y	
163875		23000 STUDEBAKER RD	ROYAL STREET COMM. LLC LA0583A	CERRITOS	P	1961	PROJ.REVW.	FCC060928C	11/18/06	6Y	
089529			CHATSWORTH CALERA SITE	CHATSWORTH	M		HIST.RES.	SHL-0911-0000	06/27/77	1CL	
075182		CHATSWORTH PARK S	MINNIE HILL PALMER HOUSE	CHATSWORTH	M	1911	HIST.RES.	NPS-79000480-0000	09/04/79	1S	A
021173	19-176735	CHATSWORTH PARK S	PALMER, MINNIE HILL HOUSE	CHATSWORTH	M	1911	HIST.RES.	DOE-19-94-0352-0000	08/08/94	2S2	
							PROJ.REVW.	HRG940202Z	09/30/94	2S2	
							HIST.RES.	NPS-79000480-0000	09/04/79	1S	
124522		21601 DEVONSHIRE ST	PACIFIC BELL MOBILE SERVICES FACIL	CHATSWORTH	P		PROJ.REVW.	FCC990916B	09/23/99	6Y	
135582		MASON AVE	MONTALVO CUTOFF/ ALAMEDA CORRIDOR	CHATSWORTH	P	1904	HIST.RES.	DOE-19-02-1094-0000	10/01/02	6Y	
							PROJ.REVW.	FHWA020813D	10/01/02	6Y	
075161		STAGECOACH TRAIL	OLD SANTA SUSANA STAGECOACH ROAD /	(VIC) CHATSWORTH	P	1859	HIST.RES.	NPS-74000517-0000	01/10/74	1S	A
							HIST.SURV.	1311-0001-0000	01/10/74	1S	A
							HIST.SURV.	3063-0001-0000	01/01/74	1S	
183290			SOUTHERN PACIFIC R.R./UNION PACIFI	CITY OF INDUSTRY	P	1905	PROJ.REVW.	FHWA100422A	05/24/10	6Y	
183798		13300 AMAR RD		CITY OF INDUSTRY	P	1956	PROJ.REVW.	FCC100125D	03/29/10	6Y	
090787		15415 E DON JULIAN RD	TEMPLE HALL	CITY OF INDUSTRY	M	1923	HIST.RES.	SPHI-LAN-019	07/12/74	7L	
034728		15415 E DON JULIAN RD	EL CAMPO SANTO CEMETERY & MAUSOLEU	CITY OF INDUSTRY	M		HIST.SURV.	1744-0005-0000	11/20/74	1S	
							HIST.RES.	SHL-0874-0002	11/18/74	1CL	
034727		15415 E DON JULIAN RD	WORKMAN ADOBE/WORKMAN FAMILY CEMET	CITY OF INDUSTRY	M	1842	HIST.RES.	NPS-74000519-0000	11/20/74	1S	
							HIST.SURV.	1744-0004-0000	11/20/74	1S	
							HIST.RES.	SHL-0874-0001	11/18/74	1CL	
034726		15415 E DON JULIAN RD	TEMPLE MANSION	CITY OF INDUSTRY	P	1919	HIST.RES.	NPS-74000518-0000	12/02/74	1S	
							HIST.SURV.	1744-0003-0000	12/02/74	1S	
							HIST.RES.	SHL-0874-9999	11/18/74	1CL	
034725		16021 E GALE AVE	JOHN A. ROWLAND HOUSE/JOHN REED HO	CITY OF INDUSTRY	P	1855	HIST.SURV.	1744-0002-0000	01/01/92	3S	
							HIST.RES.	NPS-76002311-0000	03/29/76	1S	
							HIST.SURV.	1744-0002-0000	09/01/75	3S	
							HIST.RES.	NPS-73000403-0000	07/16/73	1S	AC
034724		16021 E GALE AVE	JOHN REED HOUSE	CITY OF INDUSTRY	P	1865	HIST.SURV.	1744-0001-0000	09/01/75	7R	
187621		18645 E GALE AVE	GBC INTERNATIONAL BANK BRANCH OFFI	CITY OF INDUSTRY	P		PROJ.REVW.	FDIC120314A	03/16/12	6Y	
179915		166 N BALDWIN PARK BLVD	SONOCO-SV0047	CITY OF INDUSTRY	P		PROJ.REVW.	FCC100804C	08/30/10	6Y	
165278		613 TURNBULL CANYON RD		CITY OF INDUSTRY	P	1923	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
180867		16333 GALE AVE	SCE MESA-WALNUT 220KV TRANSMISSION	(VIC) CITY OF IND	P	1956	PROJ.REVW.	USFS101209C	01/13/11	6Y	
034627	19-186053	10TH ST	BALCH HALL	CLAREMONT	P	1929	HIST.RES.	NPS-84000887-0006	09/20/84	1D	AC
							HIST.SURV.	1711-0169-0095		3D	
034698	19-186124	12TH ST	SUSAN MILLER DORSEY HALL	CLAREMONT	P	1930	HIST.RES.	NPS-84000887-0004	09/20/84	1D	AC
034631	19-186057	12TH ST	ROSE GARDEN	CLAREMONT	P	1940	HIST.RES.	NPS-84000887-0011	09/20/84	1D	AC
							HIST.SURV.	1711-0169-0099		5D2	
034628	19-186054	12TH ST	BROWNING/DORSEY HALL	CLAREMONT	P	1929	HIST.RES.	NPS-84000887-0003	09/20/84	1D	AC
							HIST.SURV.	1711-0169-0096		3D	
034626	19-186052	12TH ST	GRACE SCRIPPS HALL / ELEANOR TOLL	CLAREMONT	P	1928	HIST.RES.	NPS-84000887-0001	09/20/84	1D	AC
							HIST.SURV.	1711-0169-0094		7N	
076498	19-186147	12TH ST	GRACE SCRIPPS HALL	CLAREMONT	P	1928	HIST.RES.	NPS-84000887-0002	09/20/84	1D	AC
034668	19-186094	1ST ST	CRAFT DESIGNS	CLAREMONT	P	1912	HIST.SURV.	1711-0170-0036		5D2	
034677	19-186103	135 1ST ST		CLAREMONT	P	1951	HIST.SURV.	1711-0170-0045		5D2	
034681	19-186107	211 1ST ST	THE VILLAGE IDIOT	CLAREMONT	P	1887	HIST.SURV.	1711-0170-0049		5D2	
034682	19-186108	217 1ST ST	MEADS GROCERY, BUDS BIKE SHOP	CLAREMONT	P	1909	HIST.SURV.	1711-0170-0050		7N	

ROPERTY-NUMBER	PRIMARY-#	STREET ADDRESS..... ..	NAMES.....	CITY.NAME.... ...	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
118760			BUILDING #516 / WATER TOWER	EDWARDS AF	F	1955	HIST.RES.	ADOE-19-98-013-06	10/02/98	2D2	AC
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC
118773			BUILDING #545	EDWARDS AF	F	1959	HIST.RES.	ADOE-19-98-013-10	10/02/98	2D2	AC
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC
130589		2258 ALLGEYER AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-02-0029-0000	03/18/02	6Y	
							PROJ.REVW.	HUD020221F	03/18/02	6Y	
138433		2264 ALLGEYER AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-03-0091-0000	03/27/03	6Y	
							PROJ.REVW.	HUD030321F	03/27/03	6Y	
153187		2309 ALLGEYER AVE		EL MONTE	P	1952	PROJ.REVW.	HUD050324E	04/19/05	6Y	
144954		2333 ALLGEYER AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-03-0321-0000	11/19/03	6Y	
							PROJ.REVW.	HUD031029A	11/19/03	6Y	
133022		10811 AMADOR ST		EL MONTE	P	1924	HIST.RES.	DOE-19-02-0981-0000	08/12/02	6Y	
							PROJ.REVW.	HUD020808B	08/12/02	6Y	
169944		3825 ARDEN DR		EL MONTE	P	1937	PROJ.REVW.	HUD080109A	01/11/08	6Y	
149812		3843 ARDEN DR		EL MONTE	P	1926	HIST.RES.	DOE-19-04-0141-0000	07/14/04	6Y	
							PROJ.REVW.	HUD040621A	07/14/04	6Y	
174857		3315 ASHER ST		EL MONTE	P	1956	PROJ.REVW.	HUD090112D	02/09/09	6Y	
101440		10311 ASHER ST		EL MONTE		1944	PROJ.REVW.	HUD960229B	03/29/96	6Y	
156004		11524 ASHER ST		EL MONTE	P	1948	PROJ.REVW.	HUD051011C	10/17/05	6Y	
156947		11525 ASHER ST		EL MONTE	P	1939	PROJ.REVW.	HUD070523A	05/30/07	6Y	
							PROJ.REVW.	HUD051128E	12/07/05	6Y	
088023		11646 AZUSA RD		EL MONTE	P	1935	PROJ.REVW.	HUD940125N	03/08/94	6Y	
165181		4116 BALDWIN AVE		EL MONTE	P	1935	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165163		4117 BALDWIN AVE		EL MONTE	P	1931	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165180		4122 BALDWIN AVE		EL MONTE	P	1948	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165165		4123 BALDWIN AVE		EL MONTE	P	1946	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165179		4126 BALDWIN AVE		EL MONTE	P	1940	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165170		4127 BALDWIN AVE		EL MONTE	P	1944	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165178		4132 BALDWIN AVE		EL MONTE	P	1947	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165171		4135 BALDWIN AVE		EL MONTE	P	1950	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165172		4139 BALDWIN AVE		EL MONTE	P	1936	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165173		4143 BALDWIN AVE		EL MONTE	P	1938	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165177		4144 BALDWIN AVE		EL MONTE	P	1927	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165174		4147 BALDWIN AVE		EL MONTE	P	1946	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165176		4237 BALDWIN AVE	TEX'S GLASS AND MIRROR	EL MONTE	P	1931	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
174858		4158 BANNISTER AVE		EL MONTE	P	1947	PROJ.REVW.	HUD090112E	02/09/09	6Y	
079943		4344 BANNISTER AVE		EL MONTE	U	1938	PROJ.REVW	HUD930104Q	02/03/93	6Y	
139229		11338 BASYE AVE		EL MONTE	P	1940	HIST.RES.	DOE-19-03-0111-0000	04/15/03	6Y	
							PROJ.REVW.	HUD030411F	04/15/03	6Y	
164390		11124 BASYE ST		EL MONTE	P	1947	PROJ.REVW.	HUD061215B	12/15/06	6Y	
165175		9960 BESSIE AVE		EL MONTE	P	1924	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
132829		10508 BISBY ST		EL MONTE	P	1946	PROJ.REVW.	HUD061002H	10/02/06	6Y	
							HIST.RES.	DOE-19-02-0975-0000	08/05/02	6Y	
							PROJ.REVW.	HUD020729F	08/05/02	6Y	
173499		11952 BONWOOD RD		EL MONTE	P	1953	PROJ.REVW.	HUD081008F	10/21/08	6Y	
167430		12136 BONWOOD RD		EL MONTE	P	1951	PROJ.REVW.	HUD070817B	08/31/07	6Y	
169709		12143 BONWOOD RD		EL MONTE	P	1952	PROJ.REVW.	HUD071213C	12/18/07	6Y	
129199		12147 BONWOOD RD		EL MONTE	P	1951	PROJ.REVW.	HUD070914C	09/19/07	6Y	
							HIST.RES.	DOE-19-01-0248-0000	11/20/01	6Y	
							PROJ.REVW.	HUD011010D	11/20/01	6Y	
162944		12150 BONWOOD RD		EL MONTE	P	1951	PROJ.REVW.	HUD060824A	08/28/06	6Y	
175115		9540 BROCKWAY ST		EL MONTE	P	1958	PROJ.REVW.	HUD090319C	04/10/09	6Y	
162720		10155 BROCKWAY ST		EL MONTE	P	1956	PROJ.REVW.	HUD060713C	07/14/06	6Y	
132324		10825 BROCKWAY ST		EL MONTE	P	1952	HIST.RES.	DOE-19-02-0955-0000	07/18/02	6Y	
							PROJ.REVW.	HUD020710B	07/18/02	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES...	CITY NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
166159		11148 BRYANT RD		EL MONTE	P	1947	PROJ.REVW.	HUD070525B	05/30/07	6Y	
141945		11169 BRYANT RD		EL MONTE	P	1952	HIST.RES.	DOE-19-03-0207-0000	07/29/03	6Y	
							PROJ.REVW.	HUD030717I	07/29/03	6Y	
150663		11505 BRYANT RD		EL MONTE	P	1947	HIST.RES.	DOE-19-04-0336-0000	03/23/04	6Y	
							PROJ.REVW.	HUD040266A	03/23/04	6Y	
169949		11660 BRYANT RD		EL MONTE	P	1948	PROJ.REVW.	HUD080114F	01/18/08	6Y	
131272		11831 BRYANT RD		EL MONTE	P	1949	HIST.RES.	DOE-19-02-0313-0000	03/28/02	6Y	
							PROJ.REVW	HUD020325A	03/28/02	6Y	
087630		2221 BRYCE RD		EL MONTE	P	1930	PROJ.REVW.	HUD940107D	02/18/94	6Y	
154966		2426 BRYCE RD		EL MONTE	P	1947	PROJ.REVW.	HUD050808I	08/12/05	6Y	
157055		2436 BRYCE RD		EL MONTE	P	1946	PROJ.REVW.	HUD051212F	12/16/05	6Y	
066114		5244 BUFFINGTON RD		EL MONTE	U		PROJ.REVW.	HUD890818H	09/14/89	6Y	
167429		2236 CAMINAR AVE		EL MONTE	P	1942	PROJ.REVW.	HUD070817C	08/31/07	6Y	
094583		3905 CEDAR AVE		EL MONTE	P	1937	PROJ.REVW.	HUD941020J	02/02/95	6Y	
131378		4105 CEDAR AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-02-0326-0000	06/05/02	6Y	
							PROJ.REVW.	HUD020530A	06/05/02	6Y	
101439		4144 CEDAR AVE		EL MONTE	P	1940	PROJ.REVW.	HUD960301A	03/29/96	6Y	
131204		4403 CEDAR AVE		EL MONTE	P	1920	HIST.RES.	DOE-19-02-0312-0000	03/28/02	6Y	
							PROJ.REVW.	HUD020313D	03/28/02	6Y	
							HIST.RES.	DOE-19-02-0248-0000	05/02/02	6Y	
							PROJ.REVW.	HUD020425G	05/02/02	6Y	
169946		4716 CEDAR AVE		EL MONTE	P	1941	PROJ.REVW.	HUD080109C	01/11/08	6Y	
146821		12202 CHOSEN ST		EL MONTE	P	1942	HIST.RES.	DOE-19-04-0032-0000	01/12/04	6Y	
							PROJ.REVW.	HUD031203E	01/12/04	6Y	
179076		3824 CLARK AVE		EL MONTE	P	1949	PROJ.REVW.	HUD100510J	05/26/10	6Y	
152801		3833 CLARK AVE		EL MONTE	P	1930	HIST.RES.	DOE-19-05-0042-0000	02/02/05	6Y	
							PROJ.REVW.	HUD041117B	02/02/05	6Y	
101963		3824 CLARK ST		EL MONTE	P	1945	PROJ.REVW.	HUD960328M	04/25/96	6Y	
169948		12004 CLARK ST		EL MONTE	P	1955	PROJ.REVW.	HUD080114G	01/18/08	6Y	
146006		11322 COFFIELD AVE		EL MONTE	P	1909	HIST.RES.	DOE-19-04-0001-0000	01/30/04	6Y	
							PROJ.REVW.	HUD040112A	01/30/04	6Y	
132293		2277 COGSWELL RD		EL MONTE	P	1951	HIST.RES.	DOE-19-02-0954-0000	07/18/02	6Y	
							PROJ.REVW.	HUD020710A	07/18/02	6Y	
150350		2315 COGSWELL RD		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0259-0000	10/06/04	6Y	
							PROJ.REVW.	HUD040910J	10/06/04	6Y	
077430		3430 COGSWELL RD	ALFRED C DRAKE HOUSE	EL MONTE	U	1904	PROJ.REVW.	HUD920629P	07/29/92	6Y	
156950		4404 COGSWELL RD		EL MONTE	P	1951	PROJ.REVW	HUD051128H	12/07/05	6Y	
152804		4427 COGSWELL RD		EL MONTE	P	1936	HIST.RES.	DOE-19-05-0045-0000	02/03/05	6Y	
							PROJ.REVW.	HUD041227C	02/03/05	6Y	
084788		4832 COGSWELL RD		EL MONTE	P	1937	PROJ.REVW.	HUD930930A	11/22/93	6Y	
130580		5026 COGSWELL RD		EL MONTE	P	1951	HIST.RES.	DOE-19-02-0028-0000	03/18/02	6Y	
							PROJ.REVW.	HUD020225I	03/18/02	6Y	
163609		5226 COGSWELL RD		EL MONTE	P	1936	PROJ.REVW.	HUD061016D	10/17/06	6Y	
149811		5516 COGSWELL RD		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0140-0000	07/13/04	6Y	
							PROJ.REVW.	HUD040614C	07/13/04	6Y	
139228		9745 CORTADA ST		EL MONTE	P	1938	HIST RES.	DOE-19-03-0110-0000	04/15/03	6Y	
							PROJ.REVW.	HUD030411G	04/15/03	6Y	
130565		4714 CROSSVALE AVE		EL MONTE	P	1950	HIST.RES.	DOE-19-02-0024-0000	03/07/02	6Y	
							PROJ.REVW.	HUD020228E	03/07/02	6Y	
149814		3720 CYPRESS AVE		EL MONTE	P	1925	HIST.RES.	DOE-19-04-0143-0000	07/13/04	6Y	
							PROJ.REVW.	HUD040614A	07/13/04	6Y	
139447		3726 CYPRESS AVE		EL MONTE	P	1920	HIST.RES.	DOE-19-03-0126-0000	05/05/03	6Y	
							PROJ.REVW.	HUD021220G	05/05/03	6Y	
087629		3751 CYPRESS AVE		EL MONTE	P	1937	PROJ.REVW.	HUD940107C	02/18/94	6Y	
073089		3756 CYPRESS AVE		EL MONTE	U	1925	PROJ.REVW.	HUD930416C	05/26/93	6Y	
							PROJ.REVW.	HUD910722B	09/11/91	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
139225		4163 EUNICE AVE		EL MONTE	P	1938	HIST.RES.	DOE-19-03-0107-0000	04/14/03	6Y	
							PROJ.REVW.	HUD030410C	04/14/03	6Y	
084100		12043 EXLINE ST	BAKER SCHOOL	EL MONTE	U	1940	HIST.RES.	DOE-19-93-0019-0000	09/07/93	6Y	
							PROJ.REVW.	FEMA930825A	09/07/93	6Y	
166158		4411 FANDON AVE		EL MONTE	P	1941	PROJ.REVW.	HUD070518S	05/30/07	6Y	
162726		4419 FANDON AVE		EL MONTE	P	1938	PROJ.REVW.	HUD060726C	07/28/06	6Y	
129197		12143 FELIPE ST		EL MONTE	P	1951	HIST.RES.	DOE-19-01-0246-0000	11/20/01	6Y	
							PROJ.REVW.	HUD011010B	11/20/01	6Y	
084101		12380 FELIPE ST	MAXSON SCHOOL	EL MONTE	U	1940	HIST.RES.	DOE-19-93-0018-0000	09/07/93	6Y	
							PROJ.REVW.	FEMA930825B	09/07/93	6Y	
129089		11517 FENNELL ST		EL MONTE	P	1946	HIST.RES.	DOE-19-01-0230-0000	11/02/01	6Y	
							PROJ.REVW.	HUD011004D	11/02/01	6Y	
167947		11908 FERRIS RD		EL MONTE	P	1939	PROJ.REVW.	HUD071010A	10/22/07	6Y	
082992		12210 FERRIS RD		EL MONTE	P	1934	PROJ.REVW.	HUD051107A	11/14/05	6Y	
							PROJ.REVW	HUD930609D	07/22/93	6Y	
141055		12354 FERRIS RD		EL MONTE	P	1938	HIST.RES.	DOE-19-03-0193-0000	07/07/03	6Y	
							PROJ.REVW.	HUD030605E	07/07/03	6Y	
163300		10554 FIELDCREST ST		EL MONTE	P	1951	PROJ.REVW.	HUD060901B	09/05/06	6Y	
154789		12119 FINEVIEW ST		EL MONTE	P	1951	PROJ.REVW.	HUD050711L	07/21/05	6Y	
171347		12336 FINEVIEW ST		EL MONTE	P	1944	PROJ.REVW.	HUD080512N	05/15/08	6Y	
172992		9300 FLAIR DR		EL MONTE	P	1981	PROJ.REVW.	FDIC080306A	05/29/08	6Y	
172997		9650 FLAIR DR		EL MONTE	P	1970	PROJ.REVW.	FDIC080418A	05/28/08	6Y	
088090		11258 FOREST GROVE ST		EL MONTE	P	1926	PROJ.REVW.	HUD940804A	09/08/94	6Y	
							PROJ.REVW.	HUD940131M	03/09/94	6Y	
084147		11312 FOREST GROVE ST		EL MONTE	P	1934	PROJ.REVW.	HUD930809A	09/15/93	6Y	
156948		11736 FOREST GROVE ST		EL MONTE	P	1937	PROJ.REVW.	HUD051128F	12/07/05	6Y	
156623		10518 FRANKMONT ST		EL MONTE	P	1950	PROJ.REVW.	HUD051109C	11/16/05	6Y	
163301		10568 FRANKMONT ST		EL MONTE	P	1950	PROJ.REVW.	HUD060901C	09/05/06	6Y	
140024		2616 GAGE AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-03-0177-0000	05/23/03	6Y	
							PROJ.REVW.	HUD030516C	05/23/03	6Y	
150613		2702 GAGE AVE		EL MONTE	P	1946	HIST.RES.	DOE-19-04-0319-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040521D	06/18/04	6Y	
067029		2709 GAGE AVE		EL MONTE	U		PROJ.REVW.	HUD891211O	12/29/89	6Y	
069729		2713 GAGE AVE		EL MONTE	U	1928	PROJ.REVW.	HUD901105H	12/06/90	6Y	
150577		3024 GAGE AVE		EL MONTE	P	1929	PROJ.REVW.	HUD071005F	10/15/07	6Y	
							HIST.RES.	DOE-19-04-0303-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040520D	06/18/04	6Y	
081333		3028 GAGE AVE		EL MONTE	U	1938	PROJ.REVW.	HUD930329C	05/06/93	6Y	
082993		3034 GAGE AVE		EL MONTE	P	1929	PROJ.REVW	HUD930609E	07/22/93	6Y	
066957		3113 GAGE AVE		EL MONTE	U		PROJ.REVW.	HUD891026B	11/28/89	6Y	
096202		3642 GIBSON RD		EL MONTE	P	1928	PROJ.REVW.	HUD950510D	06/07/95	6Y	
086659		4133 GIBSON RD		EL MONTE	P	1932	PROJ.REVW.	HUD931201D	01/12/94	6Y	
131385		3036 GRANADA AVE		EL MONTE	P	1929	HIST.RES.	DOE-19-02-0333-0000	06/06/02	6Y	
							PROJ.REVW.	HUD020523D	06/06/02	6Y	
065897		3202 GRANADA AVE		EL MONTE	U		PROJ.REVW.	HUD890516C	06/15/89	6Y	
097198		3343 GRANADA AVE		EL MONTE	P	1923	PROJ.REVW.	HUD950621B	08/21/95	6Y	
135884		3417 GRANADA AVE		EL MONTE	P	1924	HIST.RES.	DOE-19-02-1132-0000	12/02/02	6Y	
							PROJ.REVW.	HUD021119A	12/02/02	6Y	
129088		11305 HALLWOOD DR		EL MONTE	P	1939	HIST.RES.	DOE-19-01-0229-0000	11/02/01	6Y	
							PROJ.REVW.	HUD011004C	11/02/01	6Y	
100784		11725 HALLWOOD DR		EL MONTE	P	1935	PROJ.REVW.	HUD960117B	02/07/96	6Y	
141944		5235 HAMMILL RD		EL MONTE	P	1935	HIST.RES.	DOE-19-03-0206-0000	07/29/03	6Y	
							PROJ.REVW.	HUD030717H	07/29/03	6Y	
162814		3183 HAVENPARK AVE		EL MONTE	P	1951	PROJ.REVW.	HUD060809G	08/11/06	6Y	
156949		11716 HEMLOCK ST		EL MONTE	P	1939	PROJ.REVW.	HUD051128G	12/07/05	6Y	
162811		11847 HEMLOCK ST		EL MONTE	P	1947	PROJ.REVW.	HUD060809D	08/11/06	6Y	

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084789		10427 HICKSON ST		EL MONTE	P	1932	PROJ.REVW.	HUD050324G	04/19/05	6Y	
							PROJ.REVW.	HUD930930B	11/22/93	6Y	
150683		10339 HOYT PARK PL		EL MONTE	P	1946	HIST.RES.	DOE-19-04-0345-0000	09/08/04	6Y	
							PROJ.REVW.	HUD040827A	09/08/04	6Y	
135379		4536 HUDDART AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-02-1088-0000	11/22/02	6Y	
							PROJ.REVW.	HUD021106H	11/22/02	6Y	
065667		0 KALE ST		EL MONTE	U		PROJ.REVW.	HUD890120B	02/21/89	6Y	
135886		11048 KAUFFMAN ST		EL MONTE	P	1912	HIST.RES.	DOE-19-02-1133-0000	12/02/02	6Y	
							PROJ.REVW.	HUD021108D	12/02/02	6Y	
089388		11140 KAUFFMAN ST		EL MONTE	P	1944	PROJ.REVW.	HUD940504C	06/02/94	6Y	
133253		11657 KILLIAN ST		EL MONTE	P	1938	HIST.RES.	DOE-19-02-1001-0000	09/11/02	6Y	
							PROJ.REVW.	HUD020909E	09/11/02	6Y	
079930		11733 KILLIAN ST		EL MONTE	U	1940	PROJ.REVW.	HUD930104L	02/03/93	6Y	
079934		12057 KILLIAN ST		EL MONTE	U	1937	PROJ.REVW.	HUD930104N	02/03/93	6Y	
132833		12025 KINGERMAN ST		EL MONTE	P	1948	HIST.RES.	DOE-19-02-0976-0000	08/05/02	6Y	
							PROJ.REVW.	HUD020729G	08/05/02	6Y	
065825		11933 KLINGERMAN	HOUSING REHABILITATION	EL MONTE	U		PROJ.REVW.	HUD890424J	05/25/89	6Y	
169708		12141 KLINGERMAN		EL MONTE	P	1937	PROJ.REVW.	HUD071213B	12/18/07	6Y	
173092		11912 KLINGERMAN ST		EL MONTE	P	1954	PROJ.REVW.	HUD080725A	08/11/08	6Y	
156550		11940 KLINGERMAN ST		EL MONTE	P	1954	PROJ.REVW.	HUD051026B	11/07/05	6Y	
130850		12039 KLINGERMAN ST		EL MONTE	P	1948	HIST.RES.	DOE-19-02-0121-0000	03/28/02	6Y	
							PROJ.REVW.	HUD020213C	03/28/02	6Y	
150581		12043 KLINGERMAN ST		EL MONTE	P	1948	HIST.RES.	DOE-19-04-0306-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040521B	06/18/04	6Y	
133254		12046 KLINGERMAN ST		EL MONTE	P	1951	HIST.RES.	DOE-19-02-1002-0000	09/11/02	6Y	
							PROJ.REVW.	HUD020906D	09/11/02	6Y	
157058		12445 KLINGERMAN ST		EL MONTE	P	1947	PROJ.REVW.	HUD051212J	12/16/05	6Y	
098417		12521 KLINGERMAN ST		EL MONTE	P	1938	PROJ.REVW.	HUD950825F	11/27/95	6Y	
161542		4202 LA MADERA AVE		EL MONTE	P	1939	PROJ.REVW.	HUD060215C	02/24/06	6Y	
080493		4320 LA MADERA AVE		EL MONTE	U	1942	PROJ.REVW.	HUD930209F	02/22/93	6Y	
147250		4513 LA MADERA AVE		EL MONTE	P	1937	HIST.RES.	DOE-19-04-0092-0000	04/22/04	6Y	
							PROJ.REVW.	HUD040405G	04/22/04	6Y	
145080		4719 LA MADERA AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-03-0323-0000	11/26/03	6Y	
							PROJ.REVW.	HUD031113C	11/26/03	6Y	
147244		4924 LA MADERA AVE		EL MONTE	P	1941	HIST.RES.	DOE-19-04-0089-0000	04/22/04	6Y	
							PROJ.REVW.	HUD040405D	04/22/04	6Y	
150358		12107 LAMBERT		EL MONTE	P	1912	HIST.RES.	DOE-19-04-0265-0000	10/05/04	6Y	
							PROJ.REVW.	HUD040910I	10/05/04	6Y	
167384		11037 LAMBERT AVE		EL MONTE	P	1934	PROJ.REVW.	HUD070813J	08/27/07	6Y	
156549		11519 LAMBERT AVE		EL MONTE	P	1952	PROJ.REVW.	HUD051026C	11/07/05	6Y	
147564		12143 LAMBERT AVE		EL MONTE	P	1949	HIST.RES.	DOE-19-04-0097-0000	02/04/04	6Y	
							PROJ.REVW.	HUD040126A	02/04/04	6Y	
153137		11720 LANSDALE AVE		EL MONTE	P	1936	PROJ.REVW.	HUD050413A	04/15/05	6Y	
067028		2742 LEXINGTON AVE		EL MONTE	U		PROJ.REVW.	HUD891211C	12/28/89	6Y	
136827		3103 LEXINGTON AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-03-0040-0000	02/05/03	6Y	
							PROJ.REVW.	HUD030130A	02/05/03	6Y	
131203		3113 LEXINGTON AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-02-0247-0000	05/02/02	6Y	
							PROJ.REVW.	HUD020425H	05/02/02	6Y	
150579		3154 LEXINOTON AVE		EL MONTE	P	1939	PROJ.REVW.	HUD060214A	02/16/06	6Y	
							HIST.RES.	DOE-19-04-0305-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040521A	06/18/04	6Y	
080381		3233 LEXINGTON AVE		EL MONTE	U	1930	PROJ.REVW.	HUD930129C	02/16/93	6Y	
069924		3327 LEXINGTON AVE		EL MONTE	U	1921	PROJ.REVW.	HUD910104B	01/25/91	6Y	
140345		3364 LEXINGTON AVE		EL MONTE	P	1941	HIST.RES.	DOE-19-02-1159-0000	10/16/02	6Y	
							PROJ.REVW.	HUD021009L	10/16/02	6Y	
150578		3818 LINCOLN AVE		EL MONTE	P	1952	HIST.RES.	DOE-19-04-0304-0000	06/18/04	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME. . . .	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD040520E	06/18/04	6Y	
165560		3830 LINCOLN AVE		EL MONTE	P	1963	PROJ.REVW.	HUD070312L	03/19/07	6Y	
167219		11817 LOWER AZUSA RD		EL MONTE	P	1937	PROJ.REVW.	HUD070801B	08/06/07	6Y	
147248		2703 LUDER AVE		EL MONTE	P	1950	HIST.RES.	DOE-19-04-0091-0000	04/22/04	6Y	
							PROJ.REVW.	HUD040405F	04/22/04	6Y	
169947		2707 LUDER AVE		EL MONTE	P	1950	PROJ.REVW.	HUD080109B	01/11/08	6Y	
131270		12102 MAGNOLIA ST		EL MONTE	P	1946	HIST.RES.	DOE-19-02-0310-0000	03/28/02	6Y	
							PROJ.REVW.	HUD020304M	03/28/02	6Y	
146824		4015 MAPLE AVE		EL MONTE	P	1935	HIST.RES.	DOE-19-04-0034-0000	01/12/04	6Y	
							PROJ.REVW.	HUD031203B	01/12/04	6Y	
167953		11218 MARYVINE ST		EL MONTE	P	1957	PROJ.REVW.	HUD070907I	09/12/07	6Y	
147154		12149 MARYVINE ST		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0069-0000	05/18/04	6Y	
							PROJ.REVW.	HUD040419D	05/18/04	6Y	
140023		2413 MAXSON RD		EL MONTE	P	1949	PROJ.REVW.	HUD090213D	02/26/09	6Y	
							HIST.RES.	DOE-19-03-0174-0000	05/23/03	6Y	
							PROJ.REVW.	HUD030516B	05/23/03	6Y	
152802		2742 MAXSON RD		EL MONTE	P	1945	HIST.RES.	DOE-19-05-0043-0000	02/03/05	6Y	
							PROJ.REVW.	HUD041227A	02/03/05	6Y	
156476		4279 MAXSON RD		EL MONTE	P	1910	PROJ.REVW.	HUD050929E	11/02/05	6Y	
147231		4312 MAXSON RD		EL MONTE	P	1940	HIST.RES.	DOE-19-04-0081-0000	04/21/04	6Y	
							PROJ.REVW.	HUD040401H	04/21/04	6Y	
166242		4357 MAXSON RD		EL MONTE	P	1953	PROJ.REVW.	HUD070702I	07/06/07	6Y	
079937		4413 MAXSON RD		EL MONTE	P	1938	PROJ.REVW.	HUD051109D	11/16/05	6Y	
							PROJ.REVW.	HUD930104O	02/03/93	6Y	
102801		4417 MAXSON RD		EL MONTE	P	1938	PROJ.REVW.	HUD960628C	07/29/96	6Y	
162812		4427 MAXSON RD		EL MONTE	P	1943	PROJ.REVW.	HUD060809E	08/11/06	6Y	
084094		12143 MCGIRK AVE		EL MONTE	P	1940	PROJ.REVW.	HUD060901E	09/05/06	6Y	
							PROJ.REVW.	HUD930715A	09/02/93	6Y	
126054		11423 MEDINA CT		EL MONTE	P	1924	PROJ.REVW.	HUD080512J	05/15/08	6Y	
							HIST.RES.	DOE-19-00-0218-0000	08/28/00	6Y	
							PROJ.REVW.	HUD000731A	08/28/00	6Y	
140026		3537 MEEKER AVE		EL MONTE	P	1938	HIST.RES.	DOE-19-03-0175-0000	05/23/03	6Y	
							PROJ.REVW.	HUD030516D	05/23/03	6Y	
083911		3100 MERCED AVE		EL MONTE	P	1941	PROJ.REVW.	HUD930602Z	08/25/93	6Y	
149828		3129 MERCED AVE		EL MONTE	P	1944	HIST.RES.	DOE-19-04-0154-0000	08/05/04	6Y	
							PROJ.REVW.	HUD040722D	08/05/04	6Y	
129094		10735 MILDRED ST		EL MONTE	P	1930	HIST RES	DOE-19-01-0232-0000	11/02/01	6Y	
							PROJ.REVW.	HUD011009A	11/02/01	6Y	
169945		10916 MONTECITO DR		EL MONTE	P	1946	PROJ.REVW.	HUD080109D	01/11/08	6Y	
168885		11340 MONTECITO DRIVE		EL MONTE	P	1924	PROJ.REVW.	HUD071119B	11/21/07	6Y	
159272		10524 MULHALL ST		EL MONTE	P	1954	PROJ.REVW.	HUD060112BB	01/17/06	6Y	
163302		10679 MULHALL ST		EL MONTE	P	1954	PROJ.REVW.	HUD060901D	09/05/06	6Y	
155429		11653 MULHALL ST		EL MONTE	P	1938	PROJ.REVW.	HUD050826B	09/21/05	6Y	
079940		2834 MUSGROVE AVE		EL MONTE	U	1939	PROJ.REVW.	HUD930104P	02/03/93	6Y	
074297		2840 MUSGROVE AVE		EL MONTE	U	1940	PROJ.REVW.	HUD920106E	01/16/92	6Y	
172319		2437 N BURKETT RD		EL MONTE	P	1938	PROJ.REVW.	HUD080612H	07/01/08	6Y	
100360		3400 N CALIFORNIA AVE	COLUMBIA SCHOOL	EL MONTE	D	1923	HIST.RES	DOE-19-95-0113-0000	02/08/95	6Y	
							PROJ.REVW.	HRG940202Z	02/08/95	6Y	
166340		3614 N CENTER AVE		EL MONTE	P	1937	PROJ.REVW.	FCC061023B	10/23/06	6Y	
088024		4427 N COGSWELL RD		EL MONTE	P	1936	PROJ.REVW.	HUD940125O	03/08/94	6Y	
165182		3615 N CYPRESS AVE	EL MONTE UNION HIGH SCHOOL DISTRIC	EL MONTE	P	1927	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
150892		3834 N GLEN WY		EL MONTE	P	1946	HIST.RES.	DOE-19-04-0357-0000	07/29/04	6Y	
							PROJ.REVW.	HUD040716C	07/29/04	6Y	
120168		3237 N GRANADA AVE		EL MONTE	U	1930	HIST.RES.	DOE-19-99-0084-0000	03/31/99	6Y	
							PROJ.REVW.	FHWA990311A	03/31/99	6Y	

ROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD920113J	01/27/92	6Y	
150889		3331 NEVADA AVE		EL MONTE	P	1924	HIST.RES.	DOE-19-04-0356-0000	07/29/04	6Y	
							PROJ.REVW.	HUD040716C	07/29/04	6Y	
135857		3410 NEVADA AVE		EL MONTE	P	1927	HIST.RES.	DOE-19-02-1124-0000	12/16/02	6Y	
							PROJ.REVW.	HUD021125F	12/16/02	6Y	
100779		3037 NEVADA ST		EL MONTE	P	1941	PROJ.REVW.	HUD960112C	02/06/96	6Y	
068074		3358 NEVADA ST		EL MONTE	U		PROJ.REVW.	HUD890120C	02/21/89	6Y	
089091		11206 OAK ST		EL MONTE	P	1940	PROJ.REVW.	HUD940328R	04/15/94	6Y	
153663		11224 OAK ST		EL MONTE		1928	PROJ.REVW.	HUD050425C	04/26/05	6Y	
150574		10233 OLNEY ST		EL MONTE	P	1950	HIST.RES	DOE-19-04-0302-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040520C	06/18/04	6Y	
150615		10234 OLNEY ST		EL MONTE	P	1948	HIST.RES.	DOE-19-04-0320-0000	06/18/04	6Y	
							PROJ.REVW.	HUD040521E	06/18/04	6Y	
162813		4724 PAL MAL AVE		EL MONTE	P	1951	PROJ.REVW.	HUD060809F	08/11/06	6Y	
154777		3567 PALM DR		EL MONTE	P	1930	PROJ.REVW.	HUD050701B	07/18/05	6Y	
146825		2168 PECK RD		EL MONTE	P	1950	PROJ.REVW.	HUD080512H	05/15/08	6Y	
							HIST.RES.	DOE-19-04-0035-0000	01/12/04	6Y	
							PROJ.REVW.	HUD031203D	01/12/04	6Y	
155430		2254 PECK RD		EL MONTE	P	1951	PROJ.REVW.	HUD050826C	09/21/05	6Y	
157056		2277 PENN MAR AVE		EL MONTE	P	1951	PROJ.REVW.	HUD051212H	12/16/05	6Y	
147155		2304 PENN MAR AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0070-0000	05/18/04	6Y	
							PROJ.REVW.	HUD040419E	05/18/04	6Y	
154790		3616 PENN MAR AVE		EL MONTE	P	1941	PROJ.REVW.	HUD050711M	07/21/05	6Y	
154856		3800 PENN MAR AVE		EL MONTE	P		PROJ.REVW.	HUD050720B	07/26/05	6Y	
150357		12150 PINEVILLE		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0264-0000	10/05/04	6Y	
							PROJ.REVW.	HUD040910H	10/05/04	6Y	
174833		12134 PINEVILLE ST		EL MONTE	P	1955	PROJ.REVW.	HUD090107D	01/23/09	6Y	
169950		12154 PINEVILLE ST		EL MONTE	P	1954	PROJ.REVW.	HUD070114F	01/18/08	6Y	
172317		12208 PINEVILLE ST		EL MONTE	P	1954	PROJ.REVW.	HUD080612G	07/01/08	6Y	
081332		12424 POINSETTIA AVE		EL MONTE	U	1936	PROJ.REVW.	HUD930329B	05/06/93	6Y	
163243		12536 POINSETTIA AVE		EL MONTE	P	1958	PROJ.REVW.	HUD060915D	09/15/06	6Y	
155428		2534 POTRERO AVE		EL MONTE	P	1949	PROJ.REVW.	HUD050826A	09/21/05	6Y	
165185		RAMONA BLVD	BEHIND 11248 RAMONA BLVD	EL MONTE	P		PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165183		11240 RAMONA BLVD		EL MONTE	P	1946	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165184		11248 RAMONA BLVD	SUPER UNIQUE AUTO REPAIR	EL MONTE	P	1950	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
165186		11306 RAMONA BLVD	CUSTOM UNIQUE BODY SHOP	EL MONTE	P	1940	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
131452		11241 RANCHITO ST		EL MONTE	P	1939	HIST.RES.	DOE-19-02-0339-0000	06/17/02	6Y	
							PROJ.REVW.	HUD020613A	06/17/02	6Y	
140022		11835 RANCHITO ST		EL MONTE	P	1934	HIST.RES.	DOE-19-03-0173-0000	05/23/03	6Y	
							PROJ.REVW.	HUD030514B	05/23/03	6Y	
089387		12045 RANCHITO ST		EL MONTE	P	1936	PROJ.REVW.	HUD940504B	06/02/94	6Y	
133021		12102 REDBERRY ST		EL MONTE	P	1951	HIST.RES.	DOE-19-02-0980-0000	08/12/02	6Y	
							PROJ.REVW.	HUD020808C	08/12/02	6Y	
156946		4249 RICHWOOD AVE		EL MONTE	P	1936	PROJ.REVW.	HUD051128D	12/07/05	6Y	
156836		4351 RICHWOOD AVE		EL MONTE	P	1938	PROJ.REVW.	HUD051028A	11/23/05	6Y	
150355		4402 RICHWOOD AVE		EL MONTE	P	1949	HIST.RES.	DOE-19-04-0262-0000	10/05/04	6Y	
							PROJ.REVW.	HUD040910F	10/05/04	6Y	
154454		9878 RIO HONDO PARKWAY		EL MONTE	P	1954	PROJ.REVW.	HUD050527D	06/13/05	6Y	
150356		11761 RIO HONDO PARKWAY		EL MONTE	P	1931	HIST.RES.	DOE-19-04-0263-0000	10/05/04	6Y	
							PROJ.REVW.	HUD040910G	10/05/04	6Y	
153185		12050 RIO HONDO PKWY		EL MONTE	P	1950	PROJ.REVW.	HUD050324D	04/19/05	6Y	
163304		3847 RIVERVIEW AVE		EL MONTE	P	1956	PROJ.REVW.	HUD060901F	09/05/06	6Y	
102142		10205 ROSE ST		EL MONTE	P		PROJ.REVW.	HUD960308G	05/01/96	6Y	
100783		11719 ROSEGLEN ST		EL MONTE	P	1935	PROJ.REVW.	HUD960117A	02/07/96	6Y	
147601		10203 ROXIE ST		EL MONTE	P	1940	HIST.RES.	DOE-19-04-0101-0000	06/18/04	6Y	

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
							PROJ.REVW.	HUD040521C	06/18/04	6Y	
126298		3053 SAN IGNACIO		EL MONTE	P	1940	HIST.RES.	DOE-19-00-0347-0000	06/21/00	6Y	
							PROJ.REVW.	HUD000524D	06/21/00	6Y	
074232		3048 SAN IGNACIO DR		EL MONTE	O	1939	PROJ.REVW.	HUD911210B	01/07/92	6Y	
136826		3153 SAN LEON DR		EL MONTE	P	1940	HIST.RES.	DOE-19-03-0039-0000	02/05/03	6Y	
							PROJ.REVW.	HUD030203C	02/05/03	6Y	
169710		3125 SAN PIERRE DR		EL MONTE	P	1941	PROJ.REVW.	HUD071213A	12/18/07	6Y	
072954		3535 SANTA ANITA AVE	OLD EL MONTE JAIL	EL MONTE	U	1880	HIST.RES.	SPHI-LAN-047	06/12/89	7L	
							ST.PT.INT.	19-0017	05/26/89	7L	
065861		11102 SCHMIDT RD	PROPERTY REHABILITATION	EL MONTE	U		PROJ.REVW.	HUD890501E	06/02/89	6Y	
147153		11243 SCHMIDT RD		EL MONTE	P	1940	HIST.RES.	DOE-19-04-0068-0000	05/18/04	6Y	
							PROJ.REVW.	HUD040419C	05/18/04	6Y	
150314		12238 SCHMIDT RD	RESIDENCE	EL MONTE	P	1932	HIST.RES.	DOE-19-04-0235-0000	12/17/04	6Y	
							PROJ.REVW.	HUD041117C	12/17/04	6Y	
156539		4426 SHASTA PL		EL MONTE	P	1954	PROJ.REVW.	HUD051028B	11/09/05	6Y	
169959		4540 SHASTA PL		EL MONTE	P	1957	PROJ.REVW.	HUD080206C	02/20/08	6Y	
146724		4402 SHATA PL		EL MONTE	P	1954	HIST.RES.	DOE-19-04-0027-0000	05/06/04	6Y	
							PROJ.REVW.	HUD040409D	05/06/04	6Y	
150685		4013 SHIRLEY AVE		EL MONTE	P	1947	HIST.RES.	DOE-19-04-0346-0000	09/08/04	6Y	
							PROJ.REVW.	HUD040827B	09/08/04	6Y	
165187		11319 STEWART ST		EL MONTE	P	1946	PROJ.REVW.	FHWA010809A	10/30/01	6Y	
166241		1901 STOCKHAM PL		EL MONTE	P	1952	PROJ.REVW.	HUD070702J	07/06/07	6Y	
156624		3740 TYLER AVE		EL MONTE	P	1954	PROJ.REVW.	HUD051109E	11/16/05	6Y	
089569		VALLEY BLVD	EL MONTE--1ST SOUTHERN CALIFORNIA	EL MONTE	S		HIST.RES.	SHL-0975-0000	08/13/87	1CL	
128028		9617 VALLEY BLVD		EL MONTE	P		HIST.RES.	DOE-19-01-0178-0000	07/09/01	6Y	
							PROJ.REVW.	FCC010511J	07/09/01	6Y	
142464		11040 WALNUT ST		EL MONTE	P	1951	HIST.RES.	DOE-19-03-0218-0000	08/12/03	6Y	
							PROJ.REVW.	HUD030806C	08/12/03	6Y	
161506		11114 WALNUT ST		EL MONTE	P	1937	PROJ.REVW.	HUD060327F	03/30/06	6Y	
101390		11214 WALNUT ST		EL MONTE	P	1946	PROJ.REVW.	HUD960215L	03/21/96	6Y	
155880		12145 WANDA ST		EL MONTE	P	1943	PROJ.REVW.	HUD050929D	10/17/05	6Y	
150369		2719 WASHINGTON AVE		EL MONTE	P	1938	HIST.RES.	DOE-19-04-0270-0000	11/29/04	6Y	
							PROJ.REVW.	HUD041101B	11/29/04	6Y	
147247		3020 WASHINGTON AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-04-0090-0000	04/22/04	6Y	
							PROJ.REVW.	HUD040405E	04/22/04	6Y	
146007		3104 WASHINGTON AVE		EL MONTE	P	1946	HIST.RES.	DOE-19-04-0002-0000	01/30/04	6Y	
							PROJ.REVW.	HUD040115B	01/30/04	6Y	
133252		3114 WASHINGTON AVE		EL MONTE	P	1930	HIST.RES.	DOE-19-02-1000-0000	09/11/02	6Y	
							PROJ.REVW.	HUD020909D	09/11/02	6Y	
157059		3167 WASHINGTON AVE		EL MONTE	P	1927	PROJ.REVW.	HUD051212G	12/16/05	6Y	
163390		4005 WHISTLER AVE		EL MONTE	P	1940	PROJ.REVW.	HUD060901G	09/05/06	6Y	
167396		4614 WHITNEY DR		EL MONTE	P	1956	PROJ.REVW.	HUD070820H	08/30/07	6Y	
168051		4619 WHITNEY DR		EL MONTE	P	1954	PROJ.REVW.	HUD070920A	09/21/07	6Y	
077342		3752 WINSTON DR		EL MONTE	U	1940	PROJ.REVW.	HUD920609B	07/06/92	6Y	
133183		4000 WINSTON DR		EL MONTE	P	1948	HIST.RES.	DOE-19-02-0997-0000	09/06/02	6Y	
							PROJ.REVW.	HUD020723B	09/06/02	6Y	
156003		4004 WINSTON DR		EL MONTE	P	1948	PROJ.REVW.	HUD051011B	10/17/05	6Y	
136172		11668 WOODVILLE DR		EL MONTE	P	1938	HIST.RES.	DOE-19-03-0012-0000	01/08/03	6Y	
							PROJ.REVW.	HUD021220H	01/08/03	6Y	
166703			LAAFB AREA A / BUILDING# 120	EL SEGUNDO	F		PROJ.REVW.	USAF020226A	09/26/02	6Y	
166700			LAAFB AREA A / BUILDING #105	EL SEGUNDO	F		PROJ.REVW.	USAF020226A	09/26/02	6Y	
166704			LAAFB AREA A / BUILDING #125	EL SEGUNDO	F		PROJ.REVW.	USAF020226A	09/26/02	6Y	
166699			LAAFB AREA A / BUILDING #100	EL SEGUNDO	F		PROJ.REVW.	USAF020226A	09/26/02	6Y	
166701			LAAFB AREA A / BUILDING #110	EL SEGUNDO	F		PROJ.REVW.	USAF020226A	09/26/02	6Y	

US EPA SAAP Grant Funding,
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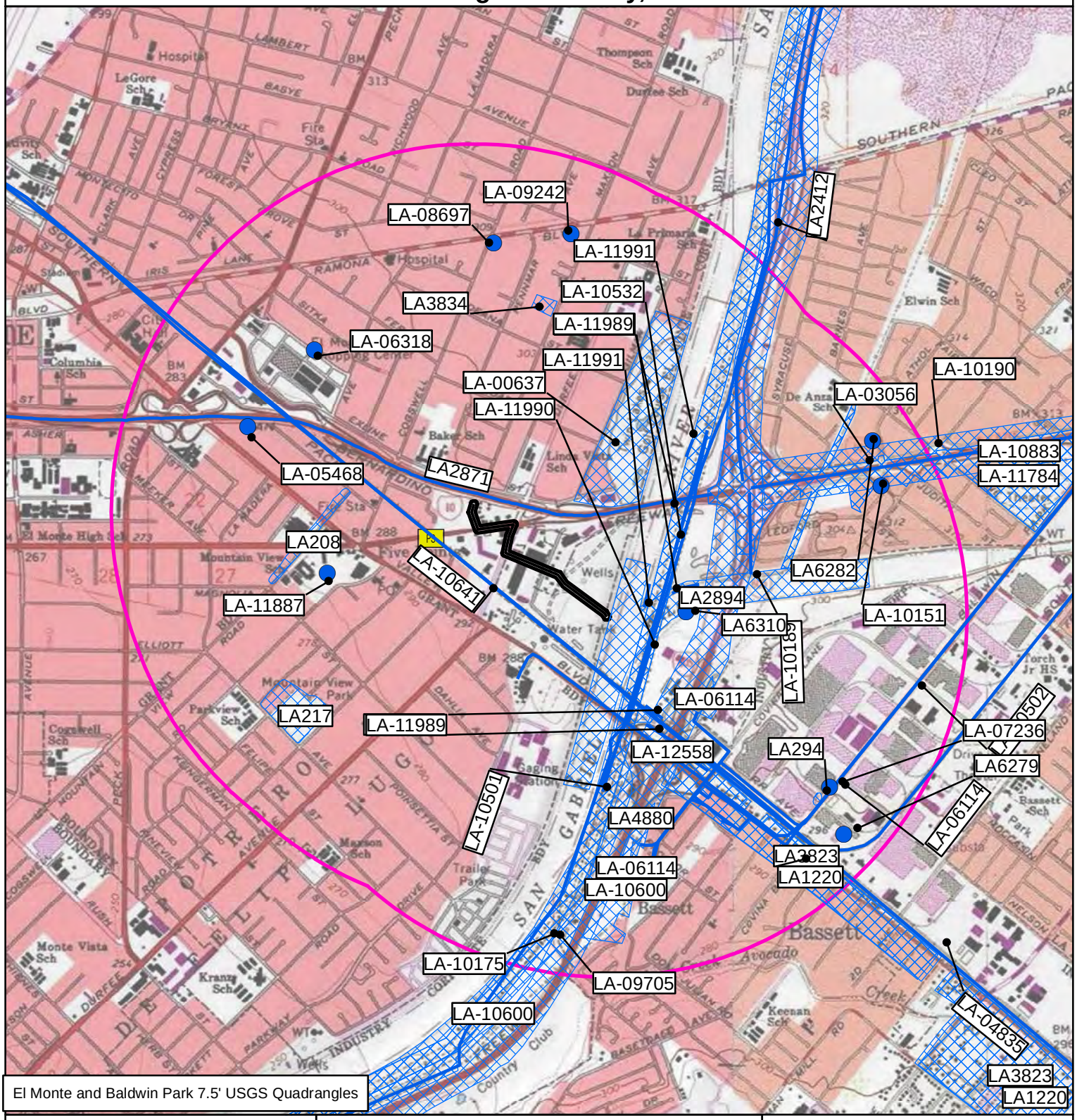
Los Angeles County, CA



Enclosure 3
APE and Previously Conducted Surveys

1:24,000

N

0 0.125 0.25 0.5 Miles

Legend

- PS APE - Garvey Pump Station
- APE - Proposed Storm Drain
- Study Area
- Survey - Point
- Survey - Linear
- Survey - Block

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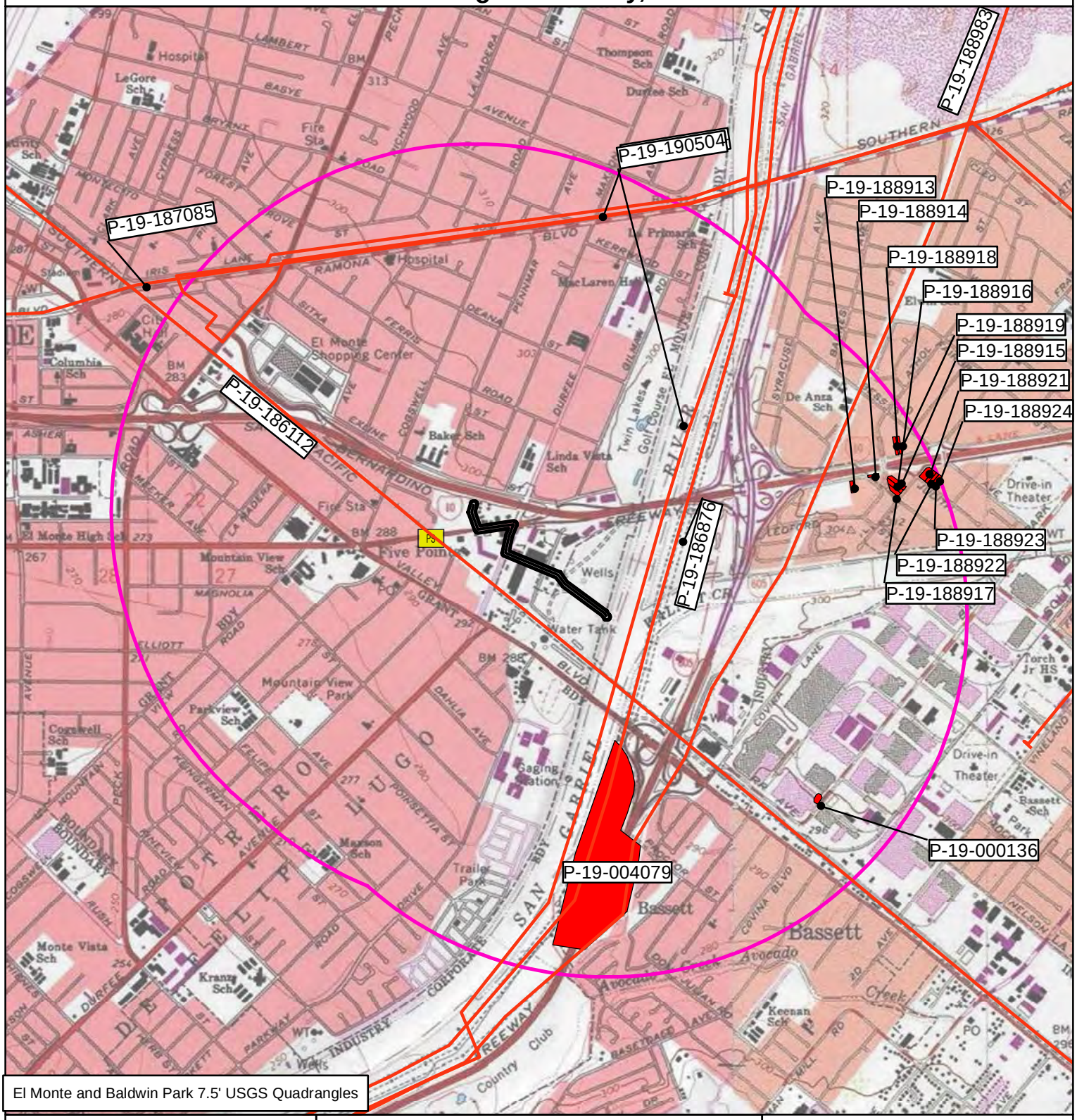
City of El Monte Garvey Avenue Underpass Drainage Improvement Project
Los Angeles County, CA



Enclosure 3
APE and Previously Recorded Resources

1:24,000

N

0 0.125 0.25 0.5 Miles

Legend

- PS APE - Garvey Pump Station
- APE - Proposed Storm Drain
- Study Area
- Resource - Linear
- Resource - Site

Enclosure 4: Department of Parks and Recreation (DPR) 523 A and B Forms

State of California □ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** (Assigned by recorder) Garvey Avenue Pump Station

P1. Other Identifier: _____

P2. Location: □ **Not for Publication** ♦ **Unrestricted**
***a. County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Monte **Date** 1999 **T** __; **R** ____; __ □ **of** __ □ **of Sec** __; _____**B.M.**
c. Address _____City El Monte Zip 91731
d. UTM: (Give more than one for large and/or linear resources) Zone 11, 406281.81 mE/ 3769614.33 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
South side of Garvey Avenue, under the Garvey Avenue Grade Underpass

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The pump station is at the south side of Garvey Avenue, adjacent to a railroad bridge. It is situated on a steep concrete slope and rests on a tall, concrete foundation approximately eight feet above the sidewalk (Photographs 1 and 2). The station is approximately four feet by eight feet in length with exterior walls made of concrete masonry units. It is topped with a low gabled roof covered in corrugated metal. It is accessed by a door at street level set into the concrete foundation; a second metal door is located at the south side of the building's upper level (See Continuation Sheet).

***P3b. Resource Attributes:** (List attributes and codes) HP9 , Public Utility Building

***P4. Resources Present:** ♦ Building □ Structure □ Object □ Site □ District □ Element of District □ Other (Isolates, etc.)
P5b. Description of Photo: (view, date, accession #) **Photograph 1: View of Pump Station, camera facing east, 5/23/16**

***P6. Date Constructed/Age and Source:**
♦ Historic □ Prehistoric □ Both
1933; as-built plans

***P7. Owner and Address:**
City of El Monte
11333 Valley Boulevard
El Monte, CA 91731

***P8. Recorded by:** (Name, affiliation, and address)
Julia Mates, Tetra Tech, Inc.
1999 Harrison St., Suite 500
Oakland, CA 94612

***P9. Date Recorded:** 4/13/16

***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation**: (Cite survey report and other sources, or enter "none.")
None; this document is included as Enclosure 6 for the Section 106 State Historic Preservation Office (SHPO) Consultation Letter dated July 26, 2016, Regarding U.S. Environmental Protection Agency Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project.

***Attachments:** □NONE □Location Map ♦Continuation Sheet ♦Building, Structure, and Object Record
□Archaeological Record □District Record □Linear Feature Record □Milling Station Record □Rock Art Record
□Artifact Record □Photograph Record □ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) Garvey Avenue Pump Station ***NRHP Status Code** 6Z

B1. Historic Name: Garvey Avenue Pump House
B2. Common Name: Garvey Avenue Pump Station
B3. Original Use: Pump Station B4. Present Use: Pump Station ***B5. Architectural Style:** Utilitarian ***B6. Construction History:** (Construction date, alterations, and date of alterations)
The pump station was constructed in 1934; pumps have been replaced over time; most recent pump replacement in 2006.

***B7. Moved?** ♦ **No** ☐ **Yes** ☐ **Unknown Date:** _____ **Original Location:**
***B8. Related Features:**

B9a. Architect: State of California Division of Highways b. Builder: Unknown
***B10. Significance: Theme** N/A **Area** N/A

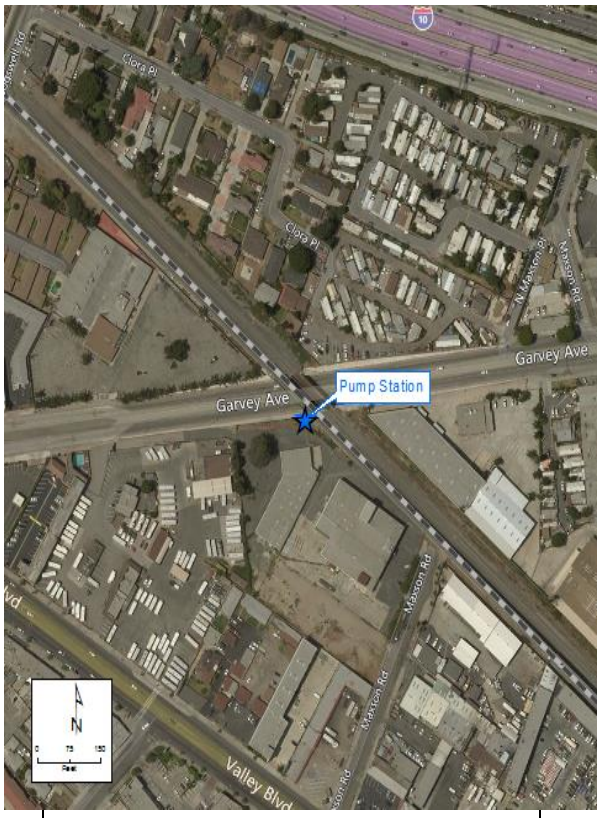
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Garvey Avenue Pump Station does not appear to meet the criteria for listing in the National Register of Historic Places (NRHP) (See Continuation Sheet).

B11. Additional Resource Attributes: (List attributes and codes)
***B12. References:** The Regional Planning Commission, County of Los Angeles, Highway Traffic Survey Average Daily Load Downtown Los Angeles Area, 1937; State of California, Department of Public Works, Division of Highways, Garvey Avenue, El Monte Underpass, Additional Pump Installation, Detail of Float, 1934; U.S. Environmental Protection Agency, Region 9, Draft Environmental Information Document for the City of El Monte, California Stormwater System Improvement Project, San Francisco, California, May 2016; and see footnotes.

B13. Remarks:

***B14. Evaluator:** Julia Mates
***Date of Evaluation:** June 8, 2016



(This space reserved for official comments.)

P3a. Description (Continued)

A concrete staircase with metal rail leads up the slope to the south elevation of the building. At the top of the slope, on the south side of the pump station is an approximately three-foot tall concrete masonry unit structure attached to the pump station. It has three wood beams covering its top and several metal pipes at the south elevation (Photograph 3). The station has a six-foot by nine-foot concrete sump with two submersible pumps. The pumps have a capacity of 1,400 gallons per minute each and pump water from the underpass into a catch basin on the corner of Garvey Avenue and Valley Boulevard. The stormwater then flows to the City of El Monte storm drain system along Valley Boulevard and discharges to the Rio Hondo Channel.[A]

B10. Significance (Continued)

Historic Context—Brief History of the City of El Monte

The pump station is in the City of El Monte, which was incorporated in 1912. The area was first inhabited by Native American settlers, the Gabrielino (Tongva) people, who lived near the Rio Hondo River banks. During the Mission period, the Spanish established Mission San Gabriel in 1771 and called the area El Monte, *the wooded place*. Wagon trains came to the township known as Camp El Monte in the 1850s, as it was located at the end of the Santa Fe Trail, a commercial highway that connected Missouri with Santa Fe, New Mexico. During the Gold Rush, many people on their way to Northern California from the eastern portion of the country, hoping to strike it rich in the El Dorado foothills, stopped in Camp El Monte to rest and some returned after their stint in the gold country. El Monte's trees, meadows, Rio Hondo and San Gabriel Rivers, made it a desirable location for farming and agriculture. In 1853, 6,000 acres were set aside for the township by the Los Angeles County Board of Supervisors.[B]

By the 1930s, El Monte was experiencing an increase in settlement by people interested in establishing small subsistence farms on which to live. A 1934 Los Angeles Times article reported that approximately 3,000 residents had settled in El Monte on small plots of land prior to 1933, and at least six hundred El Monte families were growing their own fruits and vegetables on small farm plots.[C] Orchards abounded in the area. Also in 1933, El Monte was chosen as one of the cities for the New Deals' Federal Subsistence Homestead Project, a Resettlement Administration Program that provide single-family ranch style houses to applicants who qualified. One hundred residential units were constructed in El Monte under this program.[D] Agriculture remained the center of El Monte's economy through the early twentieth century with walnut, citrus, other fruit orchards, and vegetable fields in abundance.

[A] State of California, Department of Public Works, Division of Highways, Garvey Avenue, El Monte Underpass, Additional Pump Installation, Detail of Float, 1934; U.S. Environmental Protection Agency, Region 9, Draft Environmental Information Document for the City of El Monte, California Stormwater System Improvement Project, San Francisco, California, May 2016.
[B] Maritza Velasquez, "El Monte's Wild West Days Recalled by Local Historians," San Gabriel Valley Tribune, April 7, 2012.
[C] Ryan Reft, KCET, "From Small Farming to Urban Agriculture: El Monte and Subsistence Homesteading," Departures Columns, April 14, 2015. Website: https://www.kcet.org/departures-columns/from-small-farming-to-urban-agriculture-el-monte-and-subsistence-homesteading.
[D] National New Deal Preservation Association, New Deal Towns, website: http://www.newdeallegacy.org/new_deal_towns.html.

B10. Significance (Continued)

In the early 1870s, the Southern Pacific Railroad constructed tracks through El Monte. Population began to increase in the 1930s and exploded with the start of World War II, when aircraft factories opened in town. The number of farms decreased as residents turned from agriculture to industrial jobs.[E] After World War II, El Monte continued to experience a shift from agriculture to manufacturing and technology as suburbanization took hold in the region. The area also responded to Cold War industry demands. During this period, large-scale Asian American and Mexican American residents settled in El Monte and the general San Gabriel Valley, vastly expanding the existing small populations of these groups.

Garvey Avenue was constructed sometime between 1933 and 1937 as a major east-west route through El Monte. In 1937, shortly after Garvey Avenue opened, the daily traffic load was 10,000 vehicles per day. Garvey Avenue was constructed to reduce the traffic loads on other east-west routes in the area, as well as other roads experiencing heavy traffic due to increasing population and travel to and from the suburbs of the San Gabriel Valley to downtown Los Angeles.[F]

History of Water and Flooding in El Monte

El Monte is bounded by the Rio Hondo and San Gabriel Rivers, which meet at the Whittier Narrows, a gap in the mountains of the southern edge of the San Gabriel Valley where bedrock below the ground forces groundwater up to the surface. This natural water supply, in addition to torrential rains and storms that occur in Southern California, has historically provided the El Monte area with an abundance of water and created an ideal agricultural environment. During the 1910s through the 1930s, destructive torrential storms hit Southern California, including El Monte, and caused extensive flooding that resulted in the need for flood control infrastructure in the Los Angeles basin. The destruction caused by a flood in 1914 strengthened the demand for flood control. The State Legislature adopted The Los Angeles County Flood Control Act in 1915, which created a flood control district that began a series of measures to curb the San Gabriel River's overflow into channels that would move large quantities of water out to the sea. Steep mountains that surround the region also add to the flooding problem. The winter of 1933 brought heavy rainfall for two weeks in the Los Angeles area in which approximately 14 feet of rain fell within 50 hours. The normal rainfall for the entire season in that period was 15 inches.[G] A timber bridge over Garvey Avenue was washed out during this storm. The director of Public Works at the time, Earl Lee Kelly, was put in charge of the state's flood relief and of local rehabilitation. The public was concerned that storms would severely damage the state's important transportation infrastructure, particularly highways. Even after channels were constructed to divert water, Southern California, including the City of El Monte, continued to experience flooding when large storms that brought vast quantities of rain.

[E] Town Square Publications, *El Monte/South El Monte*, Chamber of Commerce, Website: http://local.townsquarepublications.com/california/elmonte/history.html
[F] The Regional Planning Commission, County of Los Angeles, *Highway Traffic Survey Average Daily Load Downtown Los Angeles Area,* 1937, 15.
[G] R.C. Myers, California Highways and Public Works, *State Highways Defy Worst Flood in 50 Years--$270,000 Damage in 1070 Miles*, Official Journal of the Department of Public Works, 1933, 2.

B10. Significance (Continued)

The Garvey Avenue pump station, and the stormwater pipeline system adjacent to it, were constructed in 1934 by the Department of Public Works, Division of Highways, in an effort to reduce flooding in El Monte and the surrounding area. At approximately the same time the Garvey Avenue pump station was constructed, a railroad grade at Garvey Avenue was built as part of the California Division of Highway's plan to improve transportation by constructing grade separations. A reinforced concrete girder and deck bridge was constructed across the San Gabriel River as a railroad crossing for the Southern Pacific Railroad. Traffic proceeded under the bridge along Garvey Avenue.[H] The bridge over Garvey Avenue and adjacent to the pump station remains in use. These improvements of the highway and roadway in creating grade separations for railroad and street and interstate highway intersections were part of large contracts and were well-publicized by the California Highways and Public Works for improving safety at busy intersections throughout the state. The Garvey Avenue pump station and its related pump and channel system was constructed during this period of improvement for highways and roads to address the flooding that occurred along this roadway during severe storms. Plans for the underpass pump station show it was designed by the Department of Public Works, Division of Highways, the same agency that constructed the Southern Pacific Railroad bridge underpass.[I]

Evaluation

The pump station is not recommended eligible for listing in the NRHP under Criterion A because it is not associated with events significant to national, state, and local history. Although the construction of the pump station is associated with the period of construction of infrastructure to control flooding in Southern California and the San Gabriel Valley, the historic record does not indicate that it was importantly associated with the events during that period.

The pump station is not associated with important individuals significant to our past (Criterion B). No important individual significant to local, state, or national history is associated with the pump station; therefore, it is not recommended eligible for listing in the NRHP under Criterion B.

The pump station is not significant as an important example of a type, period, or method of construction, does not represent the work of a master, nor does it possess high artistic values. It is an example of an unadorned, utilitarian building that houses pumps and equipment for water conveyance, similar to many pump stations constructed in Southern California during this period. It is not recommended eligible for listing in the NRHP under Criterion C.

In rare instances, buildings themselves can serve as sources of important information; however, this building is not a principal source of important information in this regard and is not recommended eligible for listing under Criterion D.

While the pump station retains historic integrity of location, setting, design, materials, workmanship, feeling, and association, it lacks historic significance, and as such, does not appear to meet any of the four criteria for listing in the NRHP.

[H] S.V. Cortelyou, California Highways and Public Works, , *Official Journal of the Department of Public Works,* 1934,
[I] State of California Department of Public Works Division of Highways, *Garvey Avenue, El Monte Underpass Additional Pump Installation*, as-built plans, 1934.

Photographs (Continued)

Photograph 2: View of railroad bridge and pump station, camera facing southeast, May 23, 2016

Photograph 3: View of south elevation of pump station, camera facing east, May 23, 2016

Enclosure 5: San Bernardino Line Positive Train Control Project Study (SCCIC LA-10641) (CONFIDENTIAL)

Enclosure 5

REPORT NUMBER: LA10641

AUTHOR(S): Bai "Tom" Tang

DATE: 08/06/10

TITLE: Preliminary Historical/Archaeological Resources Study
San Bernardino Line Positive Train Control Project
Southern California Regional Rail Authority
Counties of Los Angeles and San Bernardino

TYPE: 1) Arch Survey

AREA:

QUADRANGLE AND #:

Los Angeles	1103
El Monte	1104
Baldwin Park	1093
San Dimas	1094
Ontario	1083

DEVELOPMENT TYPE: 11) General Public Works (Railroad)

AGENCY: Tom Dodson and Associates

FIRM: CRM TECH

OF PAGES: 30

RESOURCES: (List all primary and trinomial numbers, or temporary resource numbers or resource "names"– if it has a primary or trinomial #, you do not need to list the others).

None

Continuation space (use a separate blank sheet if more space is needed)

CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

August 6, 2010

Shawn Gatchel-Evans
Tom Dodson and Associates
2150 North Arrowhead Avenue
San Bernardino, CA 92405

Re: Preliminary Historical/Archaeological Resources Study
San Bernardino Line Positive Train Control Project
Southern California Regional Rail Authority
Counties of Los Angeles and San Bernardino
CRM TECH Contract No. 2446

Dear Ms. Gatchel-Evans:

At your request, CRM TECH has completed a preliminary historical/archaeological resources study for the Southern California Regional Rail Authority's (SCRRA) proposed San Bernardino Line Positive Train Control (PTC) Project. The project's Area of Potential Effects (APE) consists of 56.2 miles of railroad right-of-way beginning at Los Angeles Union Station [Mile Post 0] in the City of Los Angeles and extending eastwards through the San Gabriel and San Bernardino Valleys before terminating at the former Santa Fe Depot [Mile Post 56.2] in the City of San Bernardino (Figs. 1a, 1b).

The study is a part of the environmental review process for the project, as required by the lead agency, namely the SCRRA, and was conducted in preparation for future project review under Section 106 of the National Historic Preservation Act and the California Environmental Quality Act (CEQA). The purpose of the study is to review past survey coverage of the APE, inventory previously recorded historical/archaeological sites located within or partially within the APE for future statutory/regulatory compliance considerations, and assess the APE's potential for as-yet undocumented historical/archaeological resources.

The scope of the study included a historical/archaeological records search, a preliminary historical background research, a field reconnaissance along the entire length of the project route, and contacts with Native American representatives. A brief summary of the methods and results of these research procedures is presented below.

RECORDS SEARCH

CRM TECH archaeologist Nina Gallardo (see App. 1 for qualifications) conducted the historical/archaeological resources records search at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton, on May 5, 2010, and at the Archaeological Information Center (AIC), San Bernardino County Museum, Redlands, on May 10.

LA-10641

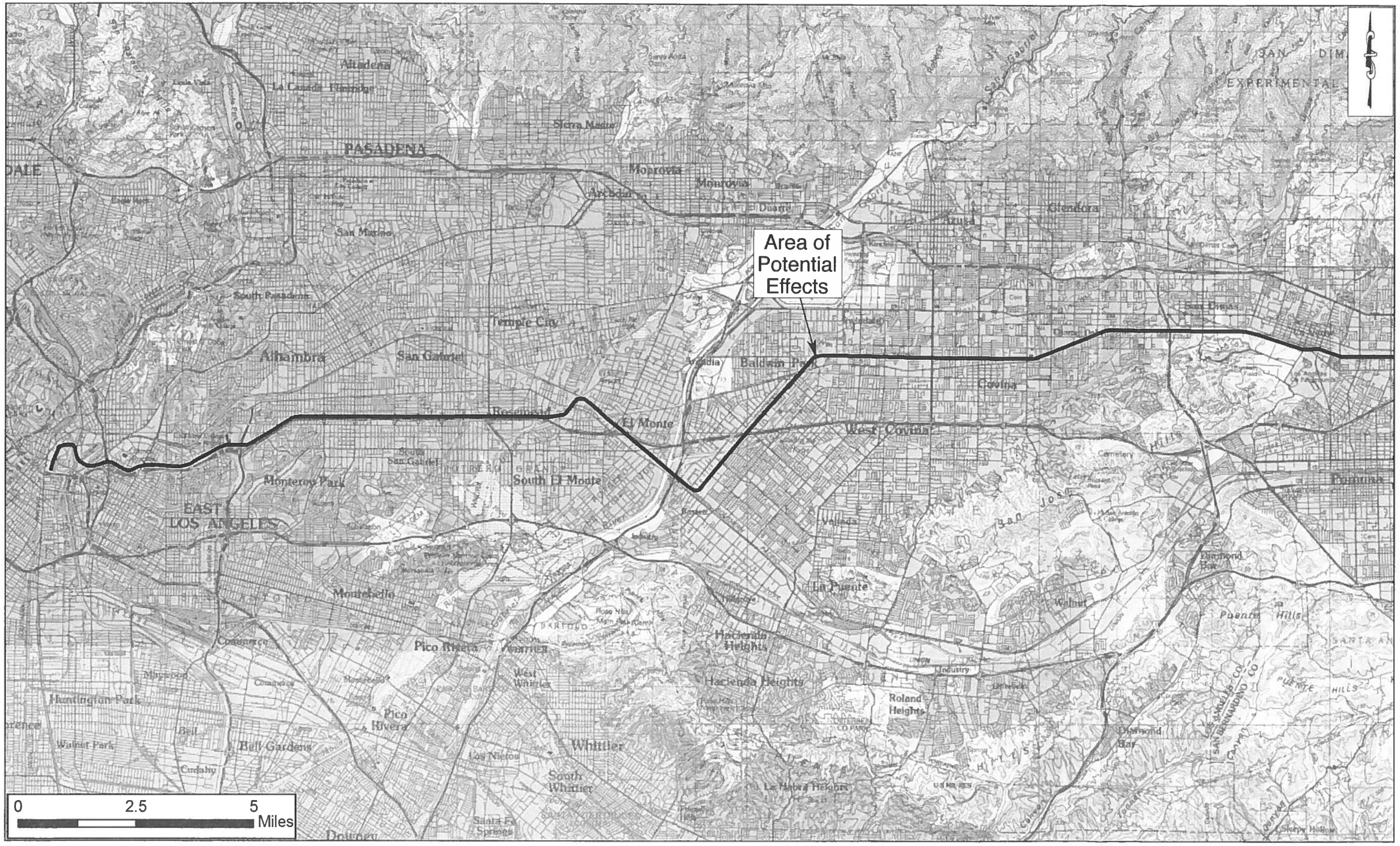


Figure 1a. Location of the APE (western portion).

LA10641

LA-10641

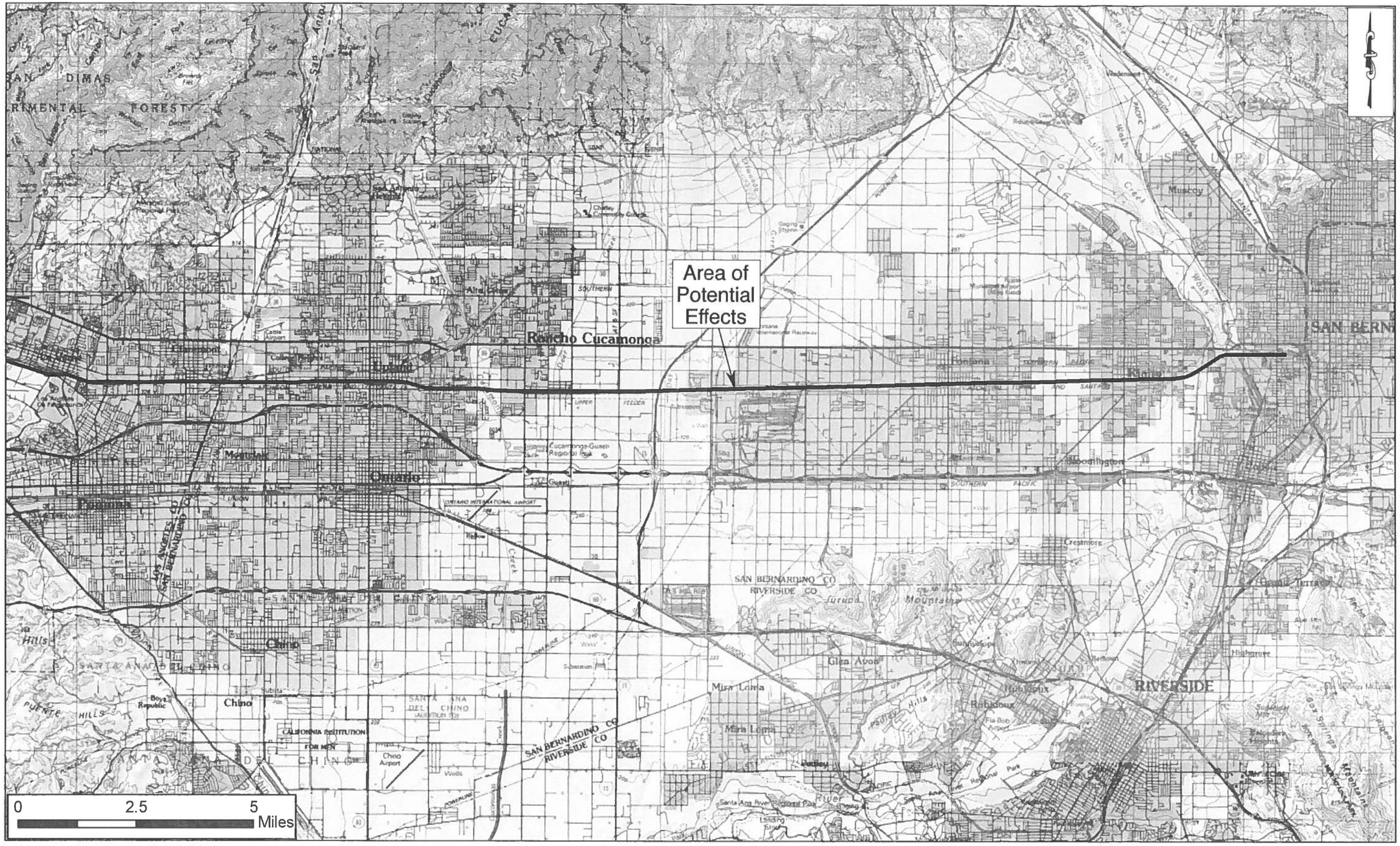


Figure 1b. Location of the APE (eastern portion).

During the records search, Gallardo checked files and maps on record at the AIC and the SCCIC for previously identified historical/archaeological resources and existing cultural resources studies in the project vicinity. Previously identified cultural resources include properties designated as California Historical Landmarks or Points of Historical Interest as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Inventory. The scope of the records searches encompassed the area within a quarter-mile radius of the APE.

According to AIC and SCCIC records, more than 50 previous cultural resources studies included portions of the APE. These surveys were carried out in support of an assortment of projects including transmission lines, water and gas pipelines, city-sponsored redevelopment, telecommunications infrastructure, roadway improvements, and commercial developments. A careful review of the record search results indicates that two historic-period sites, 36-006847 and 36-010316, and three "pending" historic-period sites, P1074-61H, P1074-88H, and P1074-121H, have been identified as lying partially within the APE (see App. 2 for locations).

The eastern half of the APE coincides with Site 36-006847, consisting of the portion of the former Atchison, Topeka and Santa Fe Railway Company's famed Kite-Shaped Track located in San Bernardino County. The Kite-Shaped Track, a popular late 19th to early 20th century railroad excursion route extending from Los Angeles to Redlands and Highland, was constructed in phases between 1880 and 1892 through various Santa Fe subsidiaries, and the segment within the APE was a part of the San Bernardino and Los Angeles Railway, which was completed from present-day San Dimas to San Bernardino in 1886-1887 (Bryant 1974:102-103; Serpico 1988:23).

As an important link in the second transcontinental railroad system to reach California, the Kite-Shaped Track once played a crucial role in the growth of southern California. As a working component of the modern transportation infrastructure, however, Site 36-006847 was previously determined not to be historically significant due to the loss of integrity (Horne 1998:6).

Site 36-010316 represents the Kramer-Victorville 115kv transmission line, part of the former Southern Sierra Power Company's San Bernardino 140kv Transmission Line. Built between 1911 and 1913, the original transmission line featured small lattice steel towers; however, these have been upgraded over time with larger lattice steel towers and concrete footings. The transmission line remains in use today and is maintained regularly.

P1074-61H represents the course of a historic-period road located in the present-day Rialto area of San Bernardino County. It reportedly predates the railroad and at one time connected with the Los Angeles-San Bernardino Road to the north. P1074-88H is identified as the Rancheria Ditch, which was built in 1843 to bring water from nearby Lytle Creek south to a settlement in present-day Colton. It supplied a small number of settlers with water for crops and livestock for most of the second half of the 19th century. The exact locations where the road and the ditch crossed the APE are unclear and could not be precisely identified with the records search results. However, with the construction of the railroad line and the subsequent urban development of the

surrounding area since then, it is likely that these features no longer exist, at least within the APE.

P1074-121H, known as the Santa Fe Viaduct, was constructed by the Santa Fe Railway around 1918 to help traffic navigate across the massive rail yard at the Santa Fe depot in San Bernardino (SANBAG n.d.). The viaduct was originally about 20 feet wide, with a sharp and often lethal turn at its midpoint leading to Third Street (*ibid.*; *Profiles* 1960:10). By the early 1930s, redesign plans were drawn up for a diagonal route from Mount Vernon Avenue in order to address this safety issue (*San Bernardino Sun* 1931; 1932).

In addition to these five recorded or "pending" sites, the western half of the APE coincides with a segment of the former Southern Pacific Railway, originally a part of the Pacific Electric Railway's interurban rail system. Constructed between 1906 and 1914, it eventually linked Los Angeles with San Bernardino. Although this segment of the rail line has not been formally recorded, another segment of the Pacific Electric Railway's San Bernardino Line in San Bernardino County was previously recorded as Site 36-020137. Therefore, the rail line in the western portion of the APE should be considered an extension of Site 36-020137 that has yet to be formally documented in the California Historical Resources Information System.

Outside the APE but within the quarter-mile radius, AIC and SCCIC records show some 150 previous cultural resources studies covering various tracts of land and linear features. As a result of these and other similar studies, at least 65 historical/ archaeological sites and prehistoric isolates—i.e., localities with fewer than three Native American artifacts—have been identified within the scope of the records search.

A large percentage of recorded sites within the quarter-mile radius represent single-family residences dating to the first half of the 20th century and other built environmental features, including a number of commercial or public buildings, such as those occupied by the University of LaVerne, Claremont College, El Monte High School, and the Cucamonga Pioneer Winery, as well as the Russian Village District and the Sinclair Commercial Block. Prehistoric sites in the scope of the records search included a few habitation sites with groundstone and chipped-stone tools, lithic quarries, and midden deposits, and prehistoric isolates typically consisted of chipped-stone or groundstone tools found near the foothills. Other than the five sites discussed above, none of the site or isolates was found in the immediate vicinity of the APE, and thus none of them requires further consideration in connection with this study.

HISTORICAL BACKGROUND REVIEW

In the mid-1800s, cattle raising on vast ranchos carved from former mission land holdings was the most prevalent economic activity throughout southern California, until the influx of American settlers eventually brought an end to this now-romanticized lifestyle during the second half of the 19th century. In the 1880s, spurred by the completion of the competing Southern Pacific and the Santa Fe Railways, a land boom swept through much of southern California, creating an immediate and significant boost to the growth of the region, in a pattern often repeated in the history of the American West.

A large number of towns, surrounded by irrigated agricultural land, were laid out in the inland valleys before the end of the 19th century, including many established along the rail lines in the APE. For the remainder of the 19th century and well into the 20th, the region along the APE remained agrarian in character, dominated particularly by citrus growing after the successful introduction of the naval orange in the mid-1870s. As the region prospered, the different communities developed distinctive economic and social characteristics. Communities in the Chino Basin area, for example, became known as the dairy capital of southern California, especially after World War II, while the present-day Rancho Cucamonga area established a different identity through vineyard cultivation and winemaking. San Bernardino became an important transportation hub, largely predicated on the selection of the city by the Santa Fe Railway as its regional headquarters in the early 20th century.

By the mid- and late 20th century, however, the forces of industrialization and urbanization dramatically altered the agrarian landscape as urban expansion and residential development increasingly assumed a dominant role. Settlement, though still dense along the railroad, shifted to a more contemporary urban landscape, as industries in need of rail transport remained focused along the railroad and residential areas and new urban cores developed away from the rail lines. Today, continued development has essentially merged the cities along the APE into one metropolitan area.

NATIVE AMERICAN SCOPING

On May 3, 2010, CRM TECH submitted a written request to the State of California's Native American Heritage Commission (NAHC) for a records search in the commission's sacred lands file. In response to CRM TECH's inquiry, the NAHC reports in a letter dated May 6, 2010, that the record search indicated the presence of Native American cultural resources within a half-mile radius of the APE, and recommends that local Native American groups be contacted for further information. For that purpose, the commission provided a list of potential contacts in the region.

Upon receiving the commission's response, CRM TECH initiated correspondence with all 17 individuals on the referral list and the organizations they represent both in writing and by telephone between May 26 and August 3 to solicit local Native American input regarding any possible cultural resources concerns over the proposed project. In addition, John Gomez, Jr., Cultural Resources Coordinator for the Ramona Band of Cahuilla Mission Indians, and Anna Hoover, Cultural Analyst for the Pechanga Band of Louseño Indians, were also contacted. The correspondences between CRM TECH and the Native American representatives are attached to this report in Appendix 3. As of this time, five written and three verbal responses have been received (see App. 3).

Ernest Siva, a Tribal Elder with the Morongo Band of Mission Indians, responded by telephone and stated that he did not have any specific concerns regarding the APE. John Tommy Rosas, Tribal Administrator of the Tongva Ancestral Territorial Tribal Nation, stated that he objected to the proposed project and would send a formal letter at a later date.

Anthony Morales, Chairperson of the Gabrieleño/Tongva San Gabriel Band of Mission Indians, stated that the APE is in an extremely sensitive area for Native American

cultural resources. He explained that not only was the village of *Puvungna* in the vicinity of the APE, but that railroad lines, which followed major Native American trade routes, were often good indications that Native American burials might be encountered during ground-disturbing activities. Mr. Morales recommended that a Native American monitor from the Gabrielino/Tongva San Gabriel Band and an archaeologist be present during such activities associated with the project. Furthermore, he requested to be contacted prior to the commencement of the project to set up a monitoring agreement.

In two written correspondences dated May 26 and June 12, Andy Salas, Chairman of the Gabrieleño Band of Mission Indians, also states that the APE is extremely sensitive for Native American cultural resources. Tribal elders have related that their ancestors walked along a trail from San Bernardino to San Gabriel and have identified several named Gabrieleño village sites along the project route. Mr. Salas requests that CRM TECH recommend a Native American monitoring component for the project and that monitors from the Gabrieleño Band of Mission Indians be on site for all ground-disturbing activities.

In a letter dated June 9, Joseph Ontiveros, Cultural Resources Director for the Soboba Band of Luiseño Indians, states that the project location lies within the tribe's Traditional Use Area, and is extremely sensitive to the Soboba Band as it is in close proximity to known village sites. He requests that a Native American monitor from the Soboba Band be present during for future surveys earth-moving activities in the APE, and that the Soboba Band continue to be included in future government-to-government consultation with the lead agency.

In a letter dated June 11, Anna Hoover, Cultural Analyst for the Pechanga Band of Luiseño Indians states: "the project area is not within reservation lands and it is not within our ancestral territory." Ms. Hoover requests that other tribes located closer to the APE, such as the San Manuel Band of Mission Indians be contacted for further consultation. However, she requests copies of all pertinent archaeological documentation for tribal review. In the event that subsurface cultural resources are identified within the APE and a closer Native American tribe cannot be identified or contacted, the Pechanga Band requests to be contacted by the lead agency regarding the treatment and disposition of all artifacts.

In an e-mail dated June 27, Sam Dunlap, Tribal Chairman of the Gabrielino Tongva Nation, recommends archaeological monitoring be required during ground-disturbing activities based on the possibility of encountering historic archaeological materials. If any prehistoric cultural resources are discovered, Mr. Dunlap requests that the Gabrielino Tongva Nation be contacted for further consultation.

FIELD SURVEY

On May 17, 2010, CRM TECH archaeologist Daniel Ballester (see App. 1 for qualifications) completed the field reconnaissance of the APE. The survey was accomplished by driving along the project route in a motor vehicle, as close to the railroad tracks as proper access would permit. When features of potential historical/

archaeological interest were encountered, they were inspected briefly on foot and photographed, and their locations were noted on project maps for future references.

During the field reconnaissance, the former Southern Pacific Railway line in the western portion of the APE, the former Atchison, Topeka and Santa Fe Railway in the eastern portion (Site 36-006847), and the Kramer-Victorville 115kv transmission line (36-010316) that crosses the project route near the Lytle Creek channel were the only potential cultural resources observed within or partially within the APE. Field observations confirmed that many physical components of the transmission line have been altered or replaced over the years, as stated in the existing site record. Furthermore, the only components of the powerline located in the APE are the overhead wires, and the proposed project has no potential to affect its current configuration and appearance.

The rail lines also remain under use and, because of repeated upgrading and constant maintenance, do not demonstrate any particular historical characteristics through their physical components. In addition, the ground surface along the rail lines has been extensively disturbed in the past, leaving it rather unlikely for any subsurface archaeological deposits, especially those of prehistoric origin, to survive intact within the APE. No features associated with the three "pending" sites identified by the records searches were observed during the field reconnaissance, nor were any other potential cultural resources, either historic or prehistoric in age, found within the APE.

SUMMARY OF FINDINGS

Based on the results of the records search, the reconnaissance survey, and a historical background review, CRM TECH concludes that no "historic properties" or "historical resources," as defined by pertinent federal and state statutes and regulations, are known to be present within or adjacent to the APE. Furthermore, the APE appears to be relatively low in sensitivity for "historic properties" or "historical resources" yet to be recorded.

The results of this study indicate that the only potential cultural resources known to be located within the APE are features associated with the railroad operations. Some of these features may need to be formally recorded and evaluated because of their age, especially those associated with the former Pacific Electric/Southern Pacific Railway line in the western portion of the APE, which has not been recorded previously. However, the rail lines themselves and their associated features are generally unlikely to be considered eligible for listing in the National Register of Historic Places or the California Register of Historical Resources due to the lack of the necessary integrity to relate to their potential period of significance. In fact, another segment of the former Atchison, Topeka and Santa Fe line, as a part of Site 36-006847, was previously determined not to be historically significant for that reason, as mentioned earlier.

Due to limitation in the existing documentation and in the scope of this study, the historical background and current conditions of the three "pending" sites previously identified in the APE, P1074-61H (historic-period road), P1074-88H (Rancheria Ditch), and P1074-121H (Santa Fe Viaduct), remain unclear at this time. If ground-disturbing activities will occur at or near the reported locations of these "pending" sites, CRM TECH recommends that further studies, including focused historical research and

intensive-level field inspections, be completed to ascertain their current conditions and, if any of their features remain in existence in the APE, their qualifications as "historic properties," as defined by Section 106, or "historical resources," as defined by CEQA.

Thank you for this opportunity to be of service. If you need any further information, please feel free to contact our office at (909) 824-6400.

Sincerely,

Bai 'Tom" Tang, M.A.
Principal Investigator, CRM TECH

REFERENCES

Bryant, Keith L., Jr.
1974 *History of the Atchison, Topeka and Santa Fe Railway*. University of Nebraska Press, Lincoln and London.

Horne, Melinda C.
1998 California Historical Resource Information System site record, 36-006847. On file, Archaeological Information Center, San Bernardino County Museum, Redlands.

Profiles
1960 Reminiscences by E.Q. Sullivan, Former District Engineer, Route through San Bernardino; Chapter XII. July.

San Bernardino Sun, The
1931 Viaduct Meet to Result in New Drawings. September 16.
1932 New Plan for Viaduct Gets City Approval. November 22.

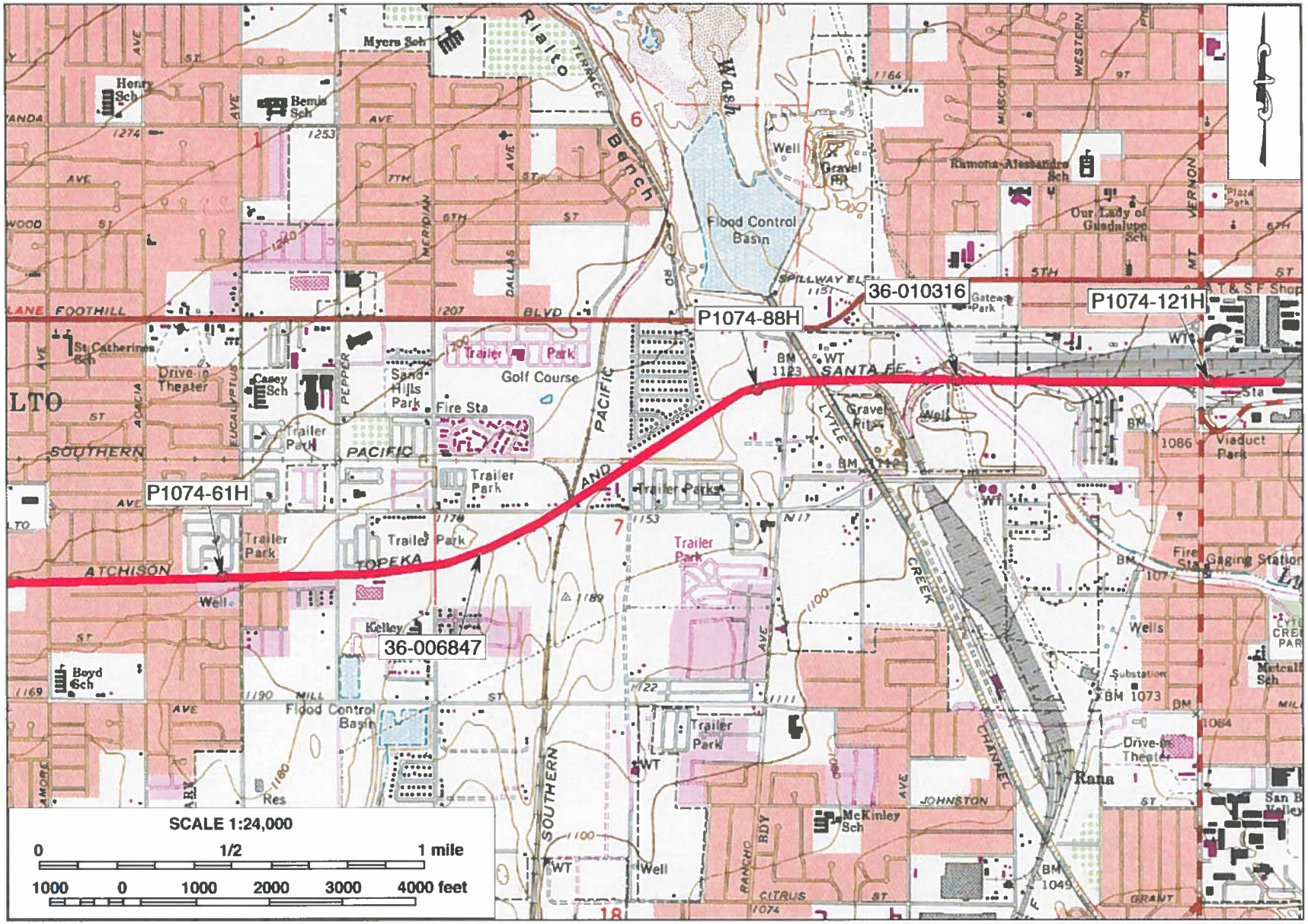
SANBAG (San Bernardino Associated Governments)
n.d. A Brief History of the Santa Fe Depot. Http://www.sanbag.ca.gov/about/santa-fe_depot.html.

Serpico, Philip C.
1988 *Santa Fe Route to the Pacific*. Omni Publications, Palmdale.

APPENDIX 2

LOCATIONS OF KNOWN SITES WITHIN THE APE

(CONFIDENTIAL)



Approximate locations of previously identified sites within or partially within the APE. (Site 36-006847 extends through the eastern portion of the APE.)

LA-10641

APPENDIX 3

CORRESPONDENCE WITH NATIVE AMERICAN REPRESENTATIVES*

* A total of 19 local Native American representatives were contacted; a sample letter is included in this report.

From: Daniel Ballester <dballester@crmtech.us>
Sent: Monday, May 03, 2010 12:03 PM
To: Dave Singleton <ds_nahc@pacbell.net>
Cc: Laura Shaker <lshaker@crmtech.us>
Subject: Sacred Land RS
Attachments: Dave1.pdf; LA Vic.jpg

Dave:

This is to request a Sacred Lands records search

Name of project:
The SCRRA San Gabriel Subdivision Positive Train Control
CRM TECH # 2446 (SB-LA PTC)

Project size:
Approximately 57 miles

Location:
Cities of L.A., El Monte, Baldwin Park, and Covina, Los Angeles County
Cities of Upland, Ontario, Fontana, Rialto, and San Bernardino, San Bernardino County

USGS 7.5' quad sheet data:
Los Angeles, El Monte, Baldwin Park, San Dimas, Ontario, Guasti, Fontana, and San Bernardino North
T1S R4-13W, SBBM

Map attached.

Please call if you need more information or have any questions. Results may be faxed to the number below.

I appreciate your assistance in this matter.

Daniel Ballester
CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

office: (909) 824-6400
fax: (909) 824-6405
cell: (909) 376-7842
dballester@crmtech.us

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STATE OF CALIFORNIA Arnold Schwarzenegger, Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net

May 6, 2010

Mr. Daniel Ballester, RPA
CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

Sent by FAX to: 909-824-6405
No. of Pages: 5

Re: Request for a Sacred Lands File Search and Native American Contacts List **for the proposed "The SCRRA San Gabriel Subdivision Positive Train Control Project (CRM TECH #2446)** " located (linear 57 miles) in or near the cities of Los Angeles, El Monte, Baldwin Park and Covina in Los Angeles County; and in or near the cities of Upland, Ontario, Fontana, Rialto and San Bernardino in San Bernardino County, California

Dear Mr. Ballester:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources (c.f. CA Public Resources Code §21070; also c.f. *Environmental Protection Information Center v. Johnson [198]) 170 Cal App. 3rd 604*), was able to perform a record search of its Sacred Lands File (SLF) for the affected project area (APE) requested. The California Environmental Quality Act (CEQA; CA Public Resources Code Section 21000 – 21177)) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the California Code of Regulations §15064.5(b)(c)(f) CEQA guidelines). Section 15382 of the 2007 CEQA Guidelines defines a significant impact on the environment as "a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ...objects of historic or aesthetic significance." The NAHC SLF search **did Indicate** the presence of Native American cultural resources within one-half mile of the proposed project site (APE).

Also, this letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway., Culturally-affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We recommend that you contact persons on the attached list of Native American contacts. Furthermore we suggest that you contact the California Historic Resources Information System (CHRIS) at the Office of Historic Preservation Coordinator's office (at (916) 653-7278, for referral to the nearest Information Center of which there are 10.

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Consultation with tribes and interested Native American consulting parties, on the NAHC list ,should be conducted in compliance with the requirements of federal NEPA (42 U.S.C. 4321-43351) and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 [f]*et seq),* 36 CFR Part 800.3 (f) (2), the President's Council on Environmental Quality (CSQ; 42 U.S.C. 4371 *et seq.*) and NAGPRA (25 U.S.C. 3001-3013), as appropriate. . The 1992 *Secretary of the Interior's Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including *cultural landscapes.*

Lead agencies should consider avoidance, as defined in Section 15370 of the California Environmental Quality Act (CEQA) when significant cultural resources could be affected by a project. Also, Public Resources Code Section 5097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery.

Although tribal consultation under the California Environmental Quality Act (CEQA; CA Public Resources Code Section 21000 – 21177) is 'advisory' rather than mandated, the NAHC does request 'lead agencies' to work with tribes and interested Native American individuals as 'consulting parties.' However, the 2006 SB 1059 the state enabling legislation to the Federal Energy Policy Act of 2005, does mandate tribal consultation for the 'electric transmission corridors. This is codified in the California Public Resources Code, Chapter 4.3, and §25330 to Division 15, requires consultation with California Native American tribes, and identifies both federally recognized and non-federally recognized on a list maintained by the NAHC. Consultation on specific projects must be the result of an on-going relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

The response to this search for Native American cultural resources is conducted in the NAHC Sacred Lands Inventory, established by the California Legislature (CA Public Resources Code §5097.94(a) and is exempt from the CA Public Records Act (c.f. California Government Code §6254.10) although Native Americans on the attached contact list may wish to reveal the nature of identified cultural resources/historic properties. Confidentiality of "historic properties of religious and cultural significance' may also be protected the under Section 304 of the NHPA or at the Secretary of the Interior' discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C, 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APE and possibly threatened by proposed project activity.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,

Dave Singleton
Program Analyst

LA-10641

Native American Contacts
May 6, 2010
Los Angeles and San Bernardino Counties

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
pmacarro@pechanga-nsn.
(951) 308-9295 Ext 8106
(951) 676-2768
(951) 506-9491 Fax

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

San Manuel Band of Mission Indians
James Ramos, Chairperson
26569 Community Center Drive Serrano
Highland , CA 92346
(909) 864-8933
(909) 864-3724 - FAX
(909) 864-3370 Fax

Ti'At Society
Cindi Alvitre
6515 E. Seaside Walk, #C Gabrielino
Long Beach , CA 90803
calvitre@yahoo.com
(714) 504-2468 Cell

Tongva Ancestral Territorial Tribal Nation
John Tommy Rosas, Tribal Admin.
, Gabrielino Tongva
tattnlaw@gmail.com
310-570-6567

Gabrieleno/Tongva San Gabriel Band of Mission
Anthony Morales, Chairperson
PO Box 693 Gabrielino Tongva
San Gabriel , CA 91778
(626) 286-1262 -FAX
(626) 286-1632
(626) 286-1758 - Home
(626) 286-1262 Fax

Gabrielino Tongva Nation
Sam Dunlap, Chairperson
P.O. Box 86908 Gabrielino Tongva
Los Angeles , CA 90086
samdunlap@earthlink.net

(909) 262-9351 - cell

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road Cahuilla
Banning , CA 92220 Serrano
mcontreras@monongo-nsn.
(951) 755-5025
(951)201-1866 - cell
(951) 922-0105 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAGPRA. And 36 CFR Part 800.3.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed The SCRRA San Gabriel Subdivision Positive Train Control Project (CRM TECH #2446) located in the or near the cities of Los Angeles, El Monte, Baldwin Park and Covina in Los Angeles County; and in or near the cities of Upland, Ontario,

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Native American Contacts
May 6, 2010
Los Angeles and San Bernardino Counties

San Manuel Band of Mission Indians
Ann Brierty, Policy/Cultural Resources Departmen
26569 Community Center. Drive Serrano
Highland , CA 92346
abrierty@sanmanuel-nsn.
(909) 864-8933 EXT-3250
(909) 649-1585 - cell
(909) 862-5152 Fax

Ernest H. Siva
Morongo Band of Mission Indians Tribal Elder
9570 Mias Canyon Road Serrano
Banning , CA 92220 Cahuilla
siva@dishmail.com
(951) 849-4676

Gabrielino Tongva Indians of California Tribal Council
Robert F. Doramae, Tribal Chair/Cultural
P.O. Box 490 Gabrielino Tongva
Bellflower , CA 90707
gtongva@verizon.net
562-761-6417 - voice
562-925-7989 - fax

Joseph Ontiveros, Cultural Resource Department
SOBOBA BAND OF LUISENO INDIANS
P.O. BOX 487 Luiseno
San Jacinto , CA 92581
(951) 654-5544, ext 4137
(951) 663-5279
jontiveros@soboba-msn.gov

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 676-2768
(951) 695-1778 Fax

Serrano Nation of Indians
Goldie Walker
6588 Valaria Drive Serrano
Highland , CA 92346
(909) 862-9883

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and fed eral NAGPRA. And 36 CFR Part 800.3.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed The SCRRA San Gabriel Subdivision Positive Train Control Project (CRM TECH #2446) located in the or near the cities of Los Angeles, El Monte, Baldwin Park and Covina in Los Angeles County; and in or near the cities of Upland, Ontario,

LA-10641

Native American Contacts
May 6, 2010
Los Angeles and San Bernardino Counties

Gabrielino-Tongva Tribe
Bernie Acuna
1875 Century Pk East #1500 Gabrielino
Los Angeles , CA 90067
(310) 587-2203
(310) 428-7720 - cell
(310) 587-2281

Shoshoneon Gabrieleno Band of Mission Indians
Andy Salas, Chairperson
PO Box 393 Gabrieleno
Covina , CA 91723
gabrielenoindians@yahoo.
626-926-4131
(213) 688-0181 - FAX

Gabrielino-Tongva Tribe
Linda Candelaria, Chairwoman
1875 Century Park East, Suite 1500
Los Angeles , CA 90067 Gabrielino
(310) 587-2203
310-428-5767- cell
(310) 587-2281
lcandelaria1@gabrielinoTribe.org

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAGPRA. And 36 CFR Part 800.3.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed The SCRRA San Gabriel Subdivision Positive Train Control Project (CRM TECH #2446) located in the or near the cities of Los Angeles, El Monte, Baldwin Park and Covina in Los Angeles County; and in or near the cities of Upland, Ontario,

CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

May 26, 2010

Bernie Acuna
Gabrielino-Tongva Tribe
1875 Century Park East, Suite1500
Los Angeles, CA 90067

RE: The Southern California Regional Rail Authority San Gabriel Subdivision Positive Train Control Project
San Bernardino to Los Angeles, San Bernardino and Los Angeles Counties
CRM TECH Contract #2446

Dear Mr. Acuna:

As part of a cultural resources study for the undertaking referenced above, I am writing to request your input on potential Native American cultural resources in or near the Area of Potential Effects (APE). Please respond at your earliest convenience if you have any specific knowledge of sacred/religious sites or other sites of Native American traditional cultural value within or near the APE. The lead agencies for this project are the Federal Railroad Administration and Caltrans for Section 106-compliance purposes.

The proposed undertaking involves positive train control (PTC) improvements to be made along 56 miles of existing rail line. These improvements include the installation of electronic sensors and automatic stopping devices for the purpose of implementing safety measures that will reduce the number of accidents at grade crossings. The accompanying map, based on the USGS Los Angeles and San Bernardino, Calif., 1:250,000 quadrangles, depicts this 56-mile railroad track running through and near the Cities of San Bernardino, Rialto, Fontana, Ontario, Upland, Claremont, Covina, Baldwin Park, El Monte, San Gabriel, Rosemead, San Gabriel, Monterey Park, and Los Angeles, in San Bernardino and Los Angeles Counties.

Any information, concerns, or recommendations regarding cultural resources in the vicinity of the APE may be forwarded to CRM TECH by telephone, e-mail, facsimile or standard mail. Requests for documentation or information we cannot provide will be forwarded to our client and/or the lead agencies. We would also like to clarify that CRM TECH, as the cultural resources consultant for the project, is not the appropriate entity to initiate government-to-government consultations. Thank you for the time and effort in addressing this important matter.

Respectfully,

Laura Hensley Shaker
CRM TECH

Cell: 909 376 7844 Fax: 909 824 6405

From: Gabrieleno Band of Mission Indians <gabrielenoindians@yahoo.com>
Date: Wed, 26 May 2010 20:39:22 -0400
To: Laura Shaker <lshaker@crmtech.us>
Cc: Andy Salas <andysalas07@yahoo.com>
Subject: Re: Scoping letter for CRM TECH project #2446

Dear Ms. Shaker,

We are responding to the attached CRM TECH scoping letter in regards to the Southern California Regional Rail Authority San Gabriel Subdivision Positive Train Control Project, San Bernardino to Los Angeles County CRM TECH Contract #2446. Please be advised that our ancestral lands included all of what is now Los Angeles County, including but not limited to the San Gabriel Mountains, to the coast, to the northern part of Orange County, and clear across to the islands of San Clemente, San Nicolas, and Santa Catalina. Hundreds of our historic villages covered these territories and it is my duty as Chairman to protect our culture.

The villages known as Aleupkingna, Asuksangna, Kukamongna and Waatngna were all along the foothills of the San Gabriel Mountains. This project would run through these historic village sites. Therefore, we recommend one of our NA monitors to be on site during any ground disturbances/excavation. We take no exceptions.

Please contact our office prior to any construction to coordinate an NA monitor.

Sincerely,

Andy Salas
Gabrieleno Band of Mission Indians
626-926-4131

LA-10641

June 9, 2010
CRM TECH
Attn: Laura Hensley Shaker
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

Re: THE SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY SHORT WAY SUBDIVISION POSITIVE TRAIN CONTROL PROJECT SAN BERNARDINO TO LOS ANGELES, SAN BERNARDINO TO LOS ANGELES COUNTY
CRM TECH CONTRACT # 2446

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas. This project location is in close proximity to known village sites and is a shared use area that was used in ongoing trade between the Luiseno and Cahuilla tribes. Therefore it is regarded as highly sensitive to the people of Soboba.

Soboba Band of Luiseño Indians is requesting the following:

1. **Government to Government** consultation in accordance to Section 106. Including the transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.

2. Soboba Band of Luiseño Indians continue to be a lead consulting tribal entity for this project.

3. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason the Soboba Band of Luiseño Indians requests that Native American Monitor(s) from the Soboba Band of Luiseño Indians Cultural Resource Department to be present during any ground disturbing proceedings. Including surveys and archaeological testing.

4. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

Sincerely,

Joseph Ontiveros
Soboba Cultural Resource Department
P.O. Box 487
San Jacinto, CA 92581

RECEIVED JUN 16 2010

Phone (951) 654-5544 ext. 4137
Cell (951) 663-5279
jontiveros@soboba-nsn.gov

Cultural Items (Artifacts). Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer should agree to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

The Developer should waive any and all claims to ownership of Native American ceremonial and cultural artifacts that may be found on the Project site. Upon completion of authorized and mandatory archeological analysis, the Developer should return said artifacts to the Soboba Band within a reasonable time period agreed to by the Parties and not to exceed (30) days from the initial recovery of the items.

Treatment and Disposition of Remains

A. The Soboba Band shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods shall be treated and disposed of with appropriate dignity.

B. The Soboba Band, as MLD, shall complete its inspection within twenty-four (24) hours of receiving notification from either the Developer or the NAHC, as required by California Public Resources Code § 5097.98 (a). The Parties agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes.

C. Reburial of human remains shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The Soboba Band, as the MLD in consultation with the Developer, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains.

D. All parties are aware that the Soboba Band may wish to rebury the human remains and associated ceremonial and cultural items (artifacts) on or near, the site of their discovery, in an area that shall not be subject to future subsurface

disturbances. The Developer should accommodate on-site reburial in a location mutually agreed upon by the Parties.

E. The term "human remains" encompasses more than human bones because the Soboba Band's traditions periodically necessitated the ceremonial burning of human remains. Grave goods are those artifacts associated with any human remains. These items, and other funerary remnants and their ashes are to be treated in the same manner as human bone fragments or bones that remain intact

Coordination with County Coroner's Office. The Lead Agencies and the Developer should immediately contact both the Coroner and the Soboba Band in the event that any human remains are discovered during implementation of the Project. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c).

Non-Disclosure of Location Reburials. It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r).

Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer agrees to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

LA-10641

PECHANGA CULTURAL RESOURCES

Temecula Band of Luiseño Mission Indians

Post Office. Box 2183 • Temecula, CA 92593
Telephone (951) 308-9295 • Fax (951) 506-9491

Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scearce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

Monitor Supervisor:
Jim McPherson

June 11, 2010

VIA E-Mail and USPS

RE: Request for Information for The Southern California Regional Rail Authority San Gabriel Subdivision Positive Train Control Project, CRM Tech Project No 2446 (CRM Tech)

Dear Ms. Shaker;

The Pechanga Band of Luiseño Indians ("the Tribe") appreciates your request for information regarding the above referenced project. After reviewing the provided maps and internal documents, we have determined that the project area is not within reservation lands and it is not within our ancestral territory. At this time, we have no further information regarding this project and suggest contacting a closer tribe, such as the San Manuel Band of Mission Indians or the Morongo Band of Mission Indians, to continue consultation.

However, the Tribe requests the following:

1) Copies of all applicable archaeological reports and site records for the Project; and
2) In the event that subsurface cultural resources are identified and a closer Tribe cannot be identified/contacted, the Tribe requests consultation with the project proponent and Lead Agency regarding the treatment and disposition of all artifacts.

As a sovereign governmental entity, the Tribe is entitled to appropriate and adequate government-to-government consultation regarding the proposed project. We would like you and your client to know that the Tribe does not consider initial inquiry letters from project consultants to constitute appropriate government-to-government consultation, but rather tools to obtain further information about the project area. Therefore, the Tribe reserves its rights to participate in the formal environmental review process, including government-to-government consultation with the Lead Agency, and requests to be included in all correspondence regarding this project.

Please note that we are interested in participating in surveys within Luiseño ancestral territory. Prior to conducting any surveys, please contact the Cultural Department to schedule specifics. If you have any additional questions or comments, please contact me at ahoover@pechanga-nsn.gov or 951-308-9295.

Sincerely,

Anna M. Hoover
Cultural Analyst

Andrew Salas
Chairman
Nadine Salas
Vice-Chairman
Felicia Sheerman-Garcia
Treasurer
Christina Swindall-Martinez
Secretary
Martha Gonzalez-Lemos
Council Member

GABRIELEÑO BAND OF MISSION INDIANS
Historically known as The San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

June 12, 2010

CRM TECH
1016 E. Cooley Drive, Suite A/B
Colton, CA 92324

Re: The Southern California Regional Rail Authority
San Gabriel Subdivision Control Project
CRM TECH Contract #2446

Dear Ms. Shaker;

This letter is in response to your letter dated May 26, 2010 in regards to the above referenced project. Please be advised that the entire project lies within sensitive cultural areas. Often archaeologists feel they know our history better than our elders. We have found too many times many village sites and sensitive cultural areas have been overlooked. Our Council of Elders has the knowledge to determine what areas of future development are of concern and they can accurately identify specific villages and their names throughout Los Angeles and Orange counties. We, as the future generations, must protect the remains and artifacts of our people that may be unearthed by development. The following historic village sites lie along the entire project:

Saxangna – San Bernardino

Winingna – Covina

Sibangna – San Gabriel

Houtgna – El Monte

Yangna – Los Angeles

Toybipet – Fontana, La Verne, Ontario,

Diamond Bar & Claremont

P.O. Box 393 • Covina, California 91723 • 626.926.4131 • www.gabrielenoindians.org

Our elders state that our ancestors walked along a trail from San Bernardino to San Gabriel. The village of Toybipet covered a vast area as this village had hundreds of Indians and was eventually referred to as "Indian Hill."

We're hereby requesting that CRM TECH recommend an NA monitor on this project, so we may assist with the proper identification of our cultural resources. It is our recommendation that our monitors be on the construction site during all ground disturbances.

Prior to construction, please contact our office to coordinate with our staff. We can be reached at 626-926-4131.

Sincerely,

Andy Salas
Chairman

From: Sam Dunlap <samdunlap@earthlink.net>
Date: Sun, 27 Jun 2010 17:43:44 -0400
To: Laura Shaker <lshaker@crmtech.us>
Subject: Re: Scoping letter for CRM TECH project #2446

Laura,

My recommendation for the proposed project is that an archaeological monitoring component be implemented during sub-surface construction activity. There is the possibility for the presence of historic archaeological material.

In the event that pre-historic cultural material is encountered, I would recommend that notification be given to our tribal group (Gabrielino Tongva Nation) for consultation on the disposition of any discoveries.

Thank you.

Sam Dunlap
Tribal Chairman
Gabrielino Tongva Nation

TELEPHONE LOG

Name	Tribe/Affiliation	Telephone Contacts	Comments
Cindi Alvitre	Ti'At Society	4:23 pm, July 20, 2010 4:14 pm, July 21, 2010	Left messages; no response to date.
Robert Dorame, Chairperson	Gabrielino Tongva Indians of California Tribal Council	9:30 am, July 6, 2010 3:20 pm, July 22, 2010 4:00 pm, July 22, 2010	Mr. Dorame will review the information regarding the proposed project again and send a formal response at a later date.
Sam Dunlap, Tribal Secretary	Gabrielino Tongva Nation	None	Sam Dunlap responded in an e-mail dated June 27, 2010 (copy attached).
Anthony Morales, Chairperson	Gabrielino/Tongva San Gabriel Band of Mission Indians	4:27 pm, July 20, 2010 4:21 pm, July 21, 2010	The APE is in an area that is extremely sensitive for Native American cultural resources. The railroads often mark major travel and trade routes used by the Native people throughout history, and are indicative of Native American burials in the vicinity. Mr. Morales recommends that an archaeologist and a Native American monitor from the Gabrielino/Tongva San Gabriel Band be present during future ground-disturbing activities associated with the project, and requests to be contacted prior to any ground disturbance to set up a monitoring agreement.
Bernie Acuna	Gabrielino Tongva Tribe	4:32 pm, July 20, 2010 4:10 pm, July 21, 2010	No answer.
Linda Candelaria, Chairwoman	Gabrielino Tongva Tribe	4:38 pm, July 20, 2010 4:12 pm, July 21, 2010	No answer.
Michael Contreras, Cultural Heritage Program Coordinator	Morongo Band of Mission Indians	4:36 pm, July 20, 2010 1:30 pm, August 3, 2010	Left messages; no response to date.
Ernest Siva, Tribal Elder	Morongo Band of Mission Indians	4:40 pm, July 20, 2010 1:32 pm, August 3, 2010	Mr. Siva had no specific concerns.
Mark Macarro, Chairperson	Pechanga (Temecula) Band of Luiseño Indians	None	Anna Hoover responded on behalf of the tribe (see below).
Paul Macarro, Cultural Resources Center	Pechanga (Temecula) Band of Luiseño Indians	None	Anna Hoover responded on behalf of the tribe (see below).
Anna Hoover, Cultural Analyst	Pechanga (Temecula) Band of Luiseño Indians	None	Ms. Hoover responded in a letter dated June 11, 2010 (copy attached).

TELEPHONE LOG (CONT.)

Name	Tribe/Affiliation	Telephone Contacts	Comments
Joseph Hamilton, Chairman	Ramona Band of Mission Indians	None	John Gomez, Jr., is the designated spokesperson for the tribe (see below).
John Gomez, Jr., Cultural Resources Coordinator	Ramona Band of Mission Indians	4:34 pm, July 20, 2010 4:10 pm, July 21, 2010	Left messages; no response to date.
Ann Brierty, Cultural Resources Field Manager	San Manuel Band of Mission Indians	4:42 pm, July 20, 2010 1:37 pm, August 3, 2010	Left messages; no response to date.
James Ramos, Chairperson	San Manuel Band of Mission Indians	None	Ann Brierty is the designated spokesperson for the tribe (see above).
Andy Salas, Chairperson	Shoshone Gabrieleno Band of Mission Indians	None	Mr. Salas responded in an e-mail dated May 26 and in a letter dated June 12, 2010 (copy attached).
Goldie Walker	Serrano Nation of Indians	4:50 pm, July 20, 2010 1:40 pm, August 3, 2010	No answer.
Joseph Ontiveros, Cultural Resources Director	Soboba Band of Luiseño Indians	None	Mr. Ontiveros responded in a letter dated June 9, 2010 (copy attached).
John Tommy Rosas, Tribal Administrator	Tongva Ancestral Territorial Tribal Nation	4:25 pm, July 20, 2010	Mr. Rosas objects to the proposed project and will send a formal letter at a later date.

Enclosure 6: Results of NAHC Sacred Lands File Search

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd., ROOM 100
West SACRAMENTO, CA 95691
(916) 373-3710
Fax (916) 373-5471

April 27, 2016

Erin King
TetraTech

Sent by Email: erin.king@tetratech.com
Number of Pages: 2

RE: Proposed EPA Grant Funding for City of El Monte – Garvey Ave. Underpass Drainage Improvement Project, City of El Monte, El Monte USGS Quadrangle, Los Angeles County, California

Dear Ms. King:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* (SLF) was completed for the area of potential project effect (APE) for the above referenced project. Sites have been located in the El Monte Quadrangle of the APE you provided that may be impacted by the project. Please contact the Gabrielino Band of Mission Indians – Kizh Nation at (626) 926-4131 for more information about these sites. Please contact the culturally affiliated Tribes directly for more information about other potential sites within your APE. Their contact information is on the attached "Native American Heritage Commission Tribal Consultation List."

The absence or presence site information in the *Sacred Lands File* **does not indicate** the absence of Native American cultural resources in any APE. Other sources of cultural resources information should be contacted regarding known and recorded sites. Please contact all of the people on the attached list. The list should provide a starting place to locate areas of potential adverse impact within the APE. I suggest you contact all of those listed, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those on the list, your organization will be better able to respond to claims of failure to consult under applicable laws. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: gayle.totton@nahc.ca.gov.

Sincerely,

Gayle Totton, M.A., PhD.
Associate Governmental Program Analyst

CONFIDENTIALITY NOTICE: This communication with its contents may contain confidential and/or legally privileged information. It is solely for the use of the intended recipient(s). Unauthorized interception, review, use or disclosure is prohibited and may violate applicable laws including the Electronic Communications Privacy Act. If you are not the intended recipient, please contact the sender and destroy all copies of the communication.

Native American Contact List
Los Angeles County
April 27, 2016

Soboba Band of Luiseno Indians
Carrie Garcia, Cultural Resources Manager
P.O. Box 487 Luiseno
San Jacinto , CA 92581 Cahuilla
carrieg@soboba-nsn.gov
(951) 654-2765

(951) 654-4198 Fax

Gabrielino-Tongva Tribe
Linda Candelaria, Co-Chairperson
1999 Avenue of the Stars, Suite 1100 Gabrielino
Los Angeles , CA 90067
(626) 676-1184 Cell

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 Gabrielino Tongva
San Gabriel , CA 91778
GTTribalcouncil@aol.com
(626) 483-3564 Cell

(626) 286-1262 Fax

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 Luiseno
San Jacinto , CA 92581 Cahuilla
jontiveros@soboba-nsn.gov
(951) 663-5279
(951) 654-5544, ext 4137
(951) 654-4198 Fax

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 Gabrielino Tongva
Los Angeles , CA 90012
sgoad@gabrielino-tongva.com
(951) 807-0479

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 Gabrielino
Covina , CA 91723
gabrielenoindians@yahoo.com
(626) 926-4131

Gabrielino Tongva Indians of California Tribal Council
Robert F. Dorame, Tribal Chair/Cultural Resources
P.O. Box 490 Gabrielino Tongva
Bellflower , CA 90707
gtongva@verizon.net
(562) 761-6417 Voice/Fax

Gabrielino-Tongva Tribe
Conrad Acuna
1999 Avenue of the Stars, Suite 1100 Gabrielino
Los Angeles , CA 90067

Gabrielino-Tongva Tribe
Bernie Acuna, Co-Chairperson
1999 Avenue of the Stars, Suite 1100 Gabrielino
Los Angeles , CA 90067

(310) 428-5690 Cell

Gabrielino /Tongva Nation
Sam Dunlap, Cultural Resources Director
P.O. Box 86908 Gabrielino Tongva
Los Angeles , CA 90086
samdunlap@earthlink.net
(909) 262-9351

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed EPA Grant Funding for City of El Monte - Garvey Ave. Underpass Drainage Improvement Project, City of El Monte, El Monte USGS Quadrangle, Los Angeles County, California.

Enclosure 7: Native American Consultation and Notification Letters

Kahan, Howard

To: gabrielenoindians@yahoo.com
Subject: EPA -project City of El Monte Garey Avenue Storm drain reconstruction

Hi Andy,

Based off of our phone conversation a few weeks ago, here are my notes from the conversation.

The tribe formally requests that a Native American monitor from the Gabrieleno tribe work with an archaeologist to monitor the project site during construction activities.

Mr. Salas gave a description of some of the historic villages that were located in the area of the project location. (Note: the below descriptions are from the EPA notes of the conversation. These notes should not be considered to be an accurate description of cultural resources, but an attempt to recap the information presented by Mr. Salas).
The historic villages includes the Sibagna village and Sheevanga village (likely not accurate spelling) that were in the Savannah area, in the location of where the Rio Hondo and Alhambra River meet.
The location of the San Gabriel Mission was an area that was highly utilized by the Gabrielino Tribe's ancestors.
The railroad tracks are the end of the Santa Fe Trail from Sonora Mexico. These are on original trading routes.
There are surface artifacts in the area around Garvey Avenue.
Marrano (pig) beach was also in the area.

Howard Kahan
Environmental Scientist
Phone : 415-972-3143
Fax : 415-947-3537
kahan.howard@epa.gov

US Environmental Protection Agency Region IX
Tribal Water Section
75 Hawthorne St.
San Francisco, CA 94105
Mail Code Water 3-4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Ms. Carrie Garcia
Cultural Resources Manager
Soboba Band of Luiseno Indians
PO Box 487
San Jacinto, CA 92581

Subject: Section 106 Consultation Regarding the U.S. Environmental Protection Agency Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Ms. Garcia:

The National Environmental Policy Act of 1969 and the National Historic Preservation Act of 1966, as well as other laws and regulations, direct the U.S. Environmental Protection Agency (EPA) to consult with Native Americans when a federal undertaking has the potential to affect their interests or concerns. EPA would like to initiate consultation regarding grant funding for the City of El Monte's (City) Garvey Avenue Underpass Drainage Improvement Project.

The City of El Monte (City), California was authorized to receive a Special Appropriation Act Project for the Garvey Storm Drain reconstruction project in Fiscal Year 2009. The Garvey Grade Underpass is located in the southeastern area of El Monte adjacent to the neighboring cities of Baldwin Park and the City of Industry (see Enclosure 1).

Storms regularly flood Garvey Avenue where the street passes under the Southern Pacific Railroad at the Garvey Avenue underpass. The existing stormwater pumps and conveyance pipes draining the underpass are insufficient to effectively convey stormwater from the street's surface to the intended storm drainage facilities. The existing Garvey Avenue underpass pump station was constructed in 1934, and land use surrounding it has changed over the past 82 years. The pumps were replaced within the last 10 years, but the pump station is still insufficient to handle the stormwater load at the Garvey Avenue underpass from minor and major events. The project will reduce the movement of nonpoint source pollutants and contaminants in the City of El Monte.

The City's project will consist of two new storm drain lines and a new storm water pump station at the Garvey Avenue underpass. The City will discontinue using the existing pump housed in the historic Garvey Avenue Grade Underpass pump station. The City plans to use a new pump station that includes three 9,000 gallons per minute (gpm) pumps and one 2,200 gpm pump. A new storm drain line ("Line A") will run from I-10 south on Maxson Road, then east on Garvey Avenue, and then south on Durfee Avenue. The second new storm drain line ("Line B") will parallel Line A along Durfee Avenue, and extend beyond Line A to continue along Stoddard Way to the San Gabriel River. No existing storm drain lines will be removed. Anticipated maximum dimensions of excavations for Lines A and B are summarized in Table 1 below.

Table 1. Garvey Avenue Underpass Drainage Improvement Project Storm Drain Excavations

Line Section	Length of Excavation	Width of Excavation	Depth of Excavation
Line A			
Maxson Road and Garvey Avenue	931 feet	28 feet	7 feet
Durfee Avenue	340 feet	28 feet	8 feet
Line B			
Durfee Avenue	540 feet	23 feet	10-13 feet
Stoddard Way	2,300 feet	30 feet	13-16 feet

The overall project area is depicted on the attached maps (see Enclosure 2). Staging areas have not yet been identified. The City anticipates that during construction, staging areas will be located to avoid public rights of way. The City anticipates that these areas most likely will be in paved parking lots and areas along the streets involved in the project.

The California Native American Heritage Commission (NAHC) was consulted about the Garvey Avenue Underpass Project and responded that sacred sites have been identified by the Gabrielino Band of Mission Indians – Kizh Nation as within the project region. The California NAHC recommended that EPA contact the Gabrielino Band of Mission Indians – Kizh Nation to determine if the undertaking will affect this resource.

A records search was conducted through the South Central Coastal Information Center and no resources were identified within the Project area; however, 18 resources were recorded within 1 mile of the project area. The 18 previously recorded resources include 1 prehistoric archaeological site, 11 historic buildings, 1 historic district, 1 historic highway/trail, 1 historic railroad, and 3 historic transmission/utility lines. None of the resources will be affected by the project. The prehistoric archaeological site (P-19-000136/CA-LAN-000136) is a habitation site with burials located approximately 0.8-mile southeast of the APE on the opposite side of the San Gabriel River.

In addition to the above previously recorded resources, the Garvey Avenue underpass pump house is historic. According to the City, the building was constructed in 1933. The records search indicates that it has not been previously recorded or evaluated for National Register of Historic Places (NRHP) eligibility. Therefore, EPA and the City are coordinating recording and evaluating the building by a Professional Architectural Historian.

Given the proximity of the project to the San Gabriel River and prehistoric archaeological site P-19-000136/CA-LAN-000136, the archaeological sensitivity of the areas of storm water pipe excavations is evaluated as moderate at present, in the absence of a more detailed sensitivity study.

EPA would value the participation of the tribe in identifying any issues or concerns that you may have regarding this proposed project. We particularly invite your comments regarding potential impacts on cultural resources or areas of traditional cultural importance within the area of the above project. I may be contacted at:

Howard Kahan, Environmental Scientist
Tribal Water Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street (WTR-3-4)
San Francisco, CA 94105-3901
Phone: (415) 972-3143
E-mail: kahan.howard@epa.gov

Written comments may be sent to the above address or via e-mail by July 11, 2016. Thank you for your consideration of these matters.

Sincerely,

Howard Kahan
Environmental Scientist, Tribal Water Section

Enclosures

Enclosures:
Enclosure 1: Regional Project Location Map
Enclosure 2: APE Map

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Ms. Sandonne Goad
Chairperson
Gabrieleno/Tongva Nation
106 ½ Judge John Aiso Street, #231
Los Angeles, CA 90012

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Chairperson Goad:

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Given the proximity of the project to the San Gabriel River and prehistoric archaeological site P-19-000136/CA-LAN-000136, the archaeological sensitivity of the areas of storm water pipe excavations is evaluated as moderate at present, in the absence of a more detailed sensitivity study.

EPA would value the participation of the tribe in identifying any issues or concerns that you may have regarding this proposed project. We particularly invite your comments regarding potential impacts on cultural resources or areas of traditional cultural importance within the area of the above project. I may be contacted at:

Howard Kahan, Environmental Scientist
Tribal Water Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street (WTR-3-4)
San Francisco, CA 94105-3901
Phone: (415) 972-3143
E-mail: kahan.howard@epa.gov

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Sincerely,

Howard Kahan
Environmental Scientist, Tribal Water Section

Enclosures:
Enclosure 1: Regional Project Location Map
Enclosure 2: APE Map

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Anthony Morales
Chairperson
Gabrieleno/Tongva San Gabriel Band of Mission Indians
PO Box 693
San Gabriel, CA 91778

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

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Howard Kahan
Environmental Scientist, Tribal Water Section

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Enclosure 1: Regional Project Location Map
Enclosure 2: APE Map

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Sam Dunlap
Cultural Resources Director
Gabrielino/Tongva Nation
P.O. Box 86908
Los Angeles, CA 90086

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Mr. Dunlap:

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Howard Kahan, Environmental Scientist
Tribal Water Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street (WTR-3-4)
San Francisco, CA 94105-3901
Phone: (415) 972-3143
E-mail: kahan.howard@epa.gov

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Sincerely,

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Enclosure 1: Regional Project Location Map
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Conrad Acuna
Gabrieleno/Tongva Tribe
1999 Avenue of the Stars, Suite 1100
Los Angeles, CA 90067

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Mr. Acuna:

The City of El Monte (City), California was authorized to receive a Special Appropriation Act Project for the Garvey Storm Drain reconstruction project in Fiscal Year 2009. The Garvey Grade underpass is located in the southeastern area of El Monte adjacent to the neighboring cities of Baldwin Park and the City of Industry (see Enclosure 1).

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San Francisco, CA 94105-3901
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Robert F. Dorame
Tribal Chair/Cultural Resources
Gabrielino Tongva Indians of California Tribal Council
PO Box 490
Bellflower, CA 90707

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Chairman Dorame:

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Andrew Salas
Chairperson
Gabrieleno Band of Mission Indians – Kizh Nation
PO Box 393
Covina, CA 91723

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Chairperson Salas:

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Ms. Linda Candelaria
Co-Chairperson
Gabrieleno/Tongva Tribe
1999 Avenue of the Stars, Suite 1100
Los Angeles, CA 90067

Subject: U.S. Environmental Protection Agency's Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Chairperson Candelaria:

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 8, 2016

Mr. Joseph Ontiveros
Soboba Band of Luiseno Indians
Cultural Resource Department
PO Box 487
San Jacinto, CA 92581

Subject: Section 106 Consultation Regarding the U.S. Environmental Protection Agency Special Appropriation Act Projects Grant Funding of the City of El Monte's Garvey Avenue Underpass Drainage Improvement Project
EPA Region 9 Tracking number: 09-164

Dear Mr. Ontiveros,

The National Environmental Policy Act of 1969 and the National Historic Preservation Act of 1966, as well as other laws and regulations, direct the U.S. Environmental Protection Agency (EPA) to consult with Native Americans when a federal undertaking has the potential to affect their interests or concerns. EPA would like to initiate consultation regarding grant funding for the City of El Monte's (City) Garvey Avenue Underpass Drainage Improvement Project.

The City of El Monte (City), California was authorized to receive a Special Appropriation Act Project for the Garvey Storm Drain reconstruction project in Fiscal Year 2009. The Garvey Grade Underpass is located in the southeastern area of El Monte adjacent to the neighboring cities of Baldwin Park and the City of Industry (see Enclosure 1).

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Enclosures

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APPENDIX C

U.S. Fish and Wildlife Service
IPaC Search Results and Species List

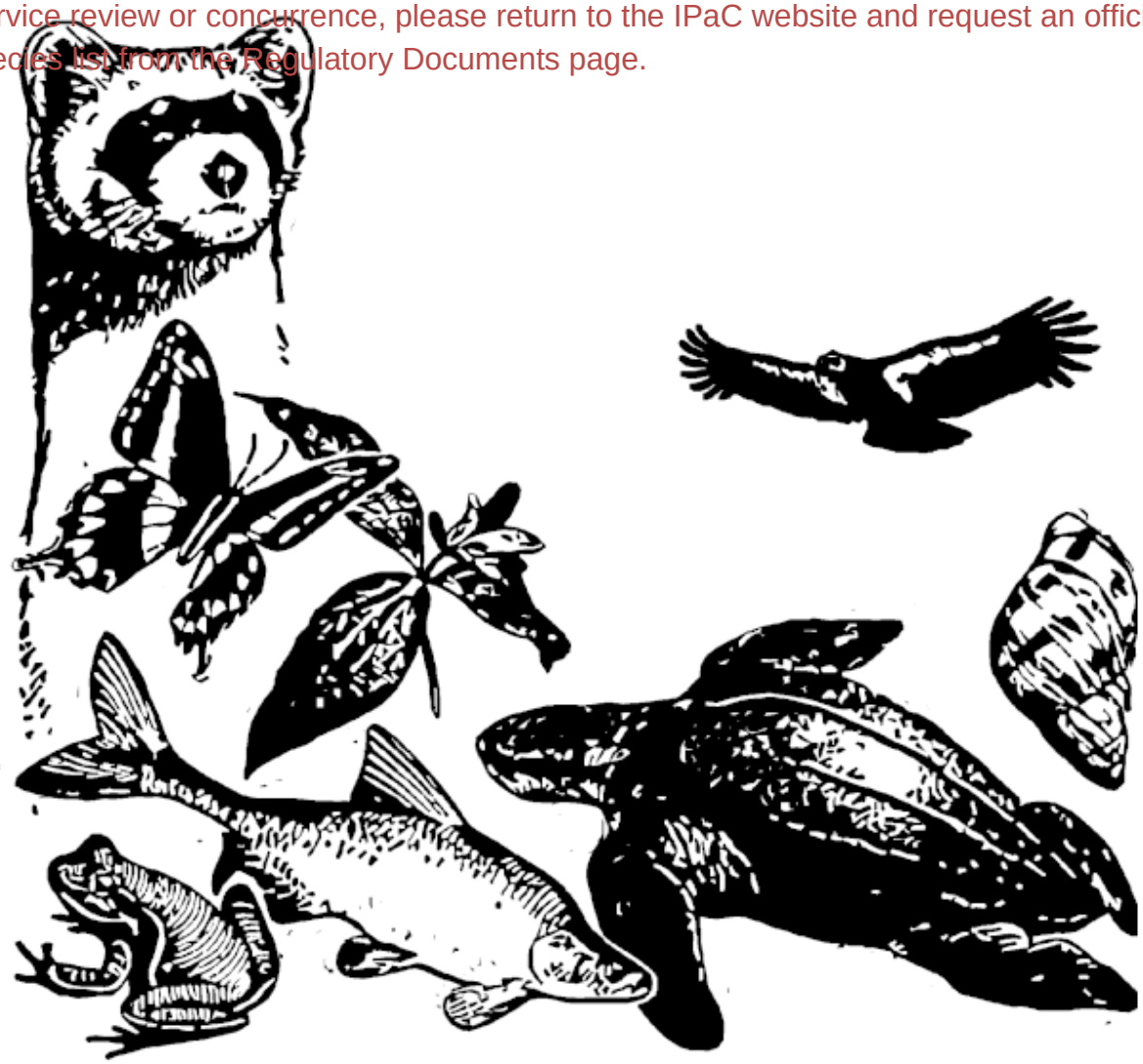
U.S. Fish & Wildlife Service

Garvey Avenue Underpass Drainage Improvement Project

IPaC Trust Resources Report

Generated April 21, 2016 10:00 AM MDT, IPaC v3.0.2

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



IPaC - Information for Planning and Conservation (https://ecos.fws.gov/ipac/): A project planning tool to help streamline the U.S. Fish & Wildlife Service environmental review process.

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Wetlands 8

U.S. Fish & Wildlife Service

IPaC Trust Resources Report

NAME

Garvey Avenue Underpass Drainage Improvement Project

LOCATION

Los Angeles County, California

IPAC LINK

https://ecos.fws.gov/ipac/project/HDMVN-7XOEF-FNDNT-VQJ27-2AGUPA

U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the Endangered Species Program of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Coastal California Gnatcatcher Polioptila californica californica — Threatened

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B08X

Least Bell's Vireo Vireo bellii pusillus — Endangered

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B067

Flowering Plants

Nevin's Barberry Berberis nevinii — Endangered

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q08G

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

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1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
  http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Year-round bird occurrence data
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php

The following species of migratory birds could potentially be affected by activities in this location:

Bald Eagle Haliaeetus leucocephalus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Bell's Vireo Vireo bellii — Bird of conservation concern
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JX

Brewer's Sparrow Spizella breweri — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HA

Burrowing Owl Athene cunicularia — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0NC

Cactus Wren Campylorhynchus brunneicapillus — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FZ

California Spotted Owl Strix occidentalis occidentalis — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B08L

Costa's Hummingbird Calypte costae — Bird of conservation concern
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JE

Fox Sparrow Passerella iliaca — Bird of conservation concern
Season: Wintering

Green-tailed Towhee Pipilo chlorurus — Bird of conservation concern
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0IO

Lawrence's Goldfinch Carduelis lawrencei — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0J8

Least Bittern Ixobrychus exilis
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Lesser Yellowlegs Tringa flavipes — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MD

Lewis's Woodpecker Melanerpes lewis — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HQ

Loggerhead Shrike Lanius ludovicianus — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FY

Long-billed Curlew Numenius americanus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06S

Marbled Godwit Limosa fedoa — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JL

Mountain Plover Charadrius montanus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B078

Nuttall's Woodpecker Picoides nuttallii — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HT

Oak Titmouse Baeolophus inornatus — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MJ

Olive-sided Flycatcher Contopus cooperi — Bird of conservation concern
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon Falco peregrinus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Red-crowned Parrot Amazona viridigenalis — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0GO

Rufous-crowned Sparrow Aimophila ruficeps — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MX

Short-eared Owl Asio flammeus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Tricolored Blackbird Agelaius tricolor — Bird of conservation concern
Year-round
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06P

Western Grebe aechmophorus occidentalis — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EA

Williamson's Sapsucker Sphyrapicus thyroideus — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FX

Red Knot Calidris canutus ssp. roselaari — Bird of conservation concern
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G6

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

This location overlaps all or part of the following wetlands:

Freshwater Forested/shrub Wetland

PSSAx 1.57 acres

Riverine

R4SBAx 181.0 acres

A full description for each wetland code can be found at the National Wetlands Inventory website: http://107.20.228.18/decoders/wetlands.aspx

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Carlsbad Fish and Wildlife Office
2177 SALK AVENUE - SUITE 250
CARLSBAD, CA 92008
PHONE: (760)431-9440 FAX: (760)431-5901
URL: www.fws.gov/carlsbad/

Consultation Code: 08ECAR00-2016-SLI-0811 July 26, 2016
Event Code: 08ECAR00-2016-E-01254
Project Name: El Monte Storm Sewer Improvement

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment

United States Department of Interior
Fish and Wildlife Service

Project name: El Monte Storm Sewer Improvement

Official Species List

Provided by:

Carlsbad Fish and Wildlife Office
2177 SALK AVENUE - SUITE 250
CARLSBAD, CA 92008
(760) 431-9440
http://www.fws.gov/carlsbad/

Consultation Code: 08ECAR00-2016-SLI-0811
Event Code: 08ECAR00-2016-E-01254

Project Type: WASTEWATER PIPELINE

Project Name: El Monte Storm Sewer Improvement
Project Description: Install new storm sewer lines to reduce flooding

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.

Project Location Map:

Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Los Angeles, CA

Endangered Species Act Species List

There are a total of 3 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	**Status**	**Has Critical Habitat**	**Condition(s)**
Coastal California gnatcatcher *(Polioptila californica californica)* Population: Entire	Threatened	Final designated	
Least Bell's vireo *(Vireo bellii pusillus)* Population: Entire	Endangered	Final designated	
Flowering Plants			
Nevin's barberry *(Berberis nevinii)*	Endangered	Final designated	

Critical habitats that lie within your project area

There are no critical habitats within your project area.

APPENDIX D

Air Quality Modeling

Table D-1. Construction Equipment Use

Equipment Type	Number of Units	Days on Site	Hours Per Day	Operating Hours
Excavators	2	260	4	2,080
Plate Compactors	2	260	4	2,080
Trenchers	2	260	8	4,160
Cement Mixers	2	260	4	2,080
Generator Sets	1	260	4	1,040
Loaders/Backhoes	2	260	7	3,640
Pavers	1	58	8	464
Paving Equipment	1	58	8	464

Table D-2. Construction Equipment Emission Factors (lbs/hour)

Equipment	CO	NOx	VOC	SOx	PM10	PM2.5	CO2
Excavators	0.5828	1.3249	0.1695	0.0013	0.0727	0.0727	119.6
Plate Compactors	0.0263	0.0328	0.0052	0.0001	0.0021	0.0021	4.3
Trenchers	0.508	0.8237	0.1851	0.0007	0.0688	0.0688	58.7
Cement Mixers	0.0447	0.0658	0.0113	0.0001	0.0044	0.0044	7.2
Generator Sets	0.3461	0.698	0.1075	0.0007	0.043	0.043	61
Loaders/Backhoes	0.4063	0.7746	0.1204	0.0008	0.0599	0.0599	66.8
Pavers	0.5874	1.0796	0.1963	0.0009	0.0769	0.0769	77.9
Paving Equipment	0.0532	0.1061	0.0166	0.0002	0.0063	0.0063	12.6

Table D-3. Construction Equipment Emissions (tons)

Equipment	CO	NOx	VOC	SOx	PM10	PM2.5	CO2
Excavators	0.606112	1.377896	0.17628	0.001352	0.075608	0.075608	124.384
Plate Compactors	0.027352	0.034112	0.005408	0.000104	0.002184	0.002184	4.472
Trenchers	1.05664	1.713296	0.385008	0.001456	0.143104	0.143104	122.096
Cement Mixers	0.046488	0.068432	0.011752	0.000104	0.004576	0.004576	7.488
Generator Sets	0.211276	0.402792	0.062608	0.000416	0.031148	0.031148	34.736
Loaders/Backhoes	0.739466	1.409772	0.219128	0.001456	0.109018	0.109018	121.576
Pavers	0.1362768	0.2504672	0.0455416	0.0002088	0.0178408	0.0178408	18.0728
Paving Equipment	0.0123424	0.0246152	0.0038512	0.0000464	0.0014616	0.0014616	2.9232
Total	**2.8359532**	**5.2813824**	**0.9095768**	**0.0051432**	**0.3849404**	**0.3849404**	**435.748**

Table D-4. Emissions from Delivery of Equipment and Supplies

Number of Deliveries (per day)	4						
Number of Trips (per delivery)	2						
Miles Per Trip	50						
Days of Construction	260						
Total Miles	104,000						
Pollutant	**CO**	**NOx**	**VOC**	**SOx**	**PM10**	**PM2.5**	**CO2**
Emission Factor (lbs/mile)	2.20E-02	2.40E-02	3.00E-03	2.60E-05	8.60E-04	7.40E-04	2.70E+00
Total Emissions (lbs)	2,288.00	2,496.00	312.00	2.70	89.44	76.96	280,800.00
Total Emissions (tons)	1.144	1.248	0.156	0.001352	0.04472	0.03848	140.4

Table D-5. Particulates from Surface Disturbance

TSP Emissions	37.4 lb/acre					
PM10/TSP	0.45					
PM2.5/PM10	0.15					
Period of Disturbance	260 days					
Capture Fraction	0.5					
Building/Facility	**Area [acres]**	**TSP [lbs]**	**PM10 [lbs]**	**PM10 [tons]**	**PM2.5 [lbs]**	**PM2.5 [tons]**
All Facilities	2.3	11,183	5,032	2.516085	1,677	0.838695
Total	**2.3**	**11182.6**	**5032.17**	**2.516085**	**1677.39**	**0.838695**

Table D-6. Emissions from Construction Worker Commutes

Number of Workers	30						
Number of Trips (per worker per day)	2						
Miles Per Trip	50						
Days of Construction	260						
Total Miles	780,000						
Pollutant	**CO**	**NOx**	**VOC**	**SOx**	**PM10**	**PM2.5**	**CO2**
Emission Factor (lbs/mile)	1.10E-02	1.10E-03	1.10E-03	1.10E-05	8.50E-05	5.30E-05	1.10E+00
Total Emissions (lbs)	8,580	858	858	9	66	41	858,000
Total Emissions (tons)	**4.29**	**0.429**	**0.429**	**0.00429**	**0.03315**	**0.02067**	**429**

Table D-7. Total Construction Emissions (tons)

Activity/Source	**CO**	**NOx**	**VOC**	**SOx**	**PM10**	**PM2.5**	**CO2**
Heavy Equipment	2.8359532	5.2813824	0.9095768	0.0051432	0.3849404	0.3849404	435.748
Delivery of Equipment	1.144	1.248	0.156	0.001352	0.04472	0.03848	140.4
Surface Disturbance	0	0	0	0	2.516085	0.838695	0
Worker Commutes	4.29	0.429	0.429	0.00429	0.03315	0.02067	429
Total Emissions	**8.2699532**	**6.9583824**	**1.4945768**	**0.0107852**	**2.9788954**	**1.2827854**	**1005.148**
***de minimis* (tons per year) (attainment/non-attainment or maintenance)**	100/50	100/50	100/50	100/50	100/50	100/50	27,563
Exceeds *de minimis* threshold?	No	No	No	No	No	No	No
Years of construction to exceed de minimis threshold	12.09196686	14.37115615	66.90857238	9271.965286	33.56949	77.9553618	27.421832