



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
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GAIL FARBER, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

April 30, 2013

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

36 April 30, 2013

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

**APPROVE THE PROJECT, DELEGATE AUTHORITY TO
EXECUTE A COOPERATIVE AGREEMENT FOR
AVENUE J OVER LITTLE ROCK CREEK BRIDGE REPLACEMENT PROJECT
AND ADOPT RESOLUTION FOR JURISDICTION
CITY OF LANCASTER – COUNTY OF LOS ANGELES
UNINCORPORATED COMMUNITY OF ROOSEVELT
(SUPERVISORIAL DISTRICT 5)
(4 VOTES)**

SUBJECT

This action is to approve the project and delegate authority to the Director of Public Works or her designee to execute a cooperative agreement between the City of Lancaster and the County of Los Angeles to provide financing and delegation of responsibilities for the replacement of an existing timber bridge with a concrete slab bridge at Avenue J over Little Rock Creek that is jurisdictionally shared between the City of Lancaster and the County of Los Angeles. Adopt the enclosed resolution declaring portions of Avenue J within the City of Lancaster to be part of the County System of Highways.

IT IS RECOMMENDED THAT THE BOARD:

1. Consider the Negative Declaration for the proposed project together with the comments received during the public review period, find on the basis of the whole record before the Board that there is no substantial evidence the project will have a significant effect on the environment, find that the Negative Declaration reflects the independent judgment and analysis of the Board, and adopt the Negative Declaration.

2. Approve the project and delegate authority to the Director of Public Works or her designee to execute a cooperative agreement with the City of Lancaster to provide financing and delegation of responsibilities for the replacement of an existing timber bridge with a concrete slab bridge at Avenue J over Little Rock Creek. The agreement provides for the County of Los Angeles to perform preliminary engineering and administer construction of the project and further provides that the City of Lancaster and the County of Los Angeles will finance their respective jurisdictional shares of the non-Federally reimbursable local agency portion of the project cost. The total project cost is estimated to be \$3,112,000. Federal aid grant funds will be used to finance a portion of the project cost. The City of Lancaster's and the County's shares of the non-Federal reimbursable local agency portion of the project cost is estimated to be \$281,000 and \$259,000, respectively.

3. Adopt the resolution declaring portions of Avenue J over Little Rock Creek, within the City of Lancaster, to be a part of the County System of Highways.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is for the Board to approve the project, delegate authority to the Director of Public Works to execute an agreement with the City of Lancaster to provide financing and delegation of responsibilities for the replacement of the existing timber bridge with a concrete slab bridge at Avenue J over Little Rock Creek, and obtain jurisdiction of that portion of Avenue J over Little Rock Creek located within the City. The City and the County will fund their jurisdictional shares of the non-Federally reimbursable local agency portion of the project cost based on the portion of the work within each jurisdiction.

The approval of Recommendation 1 will adopt the enclosed Negative Declaration (ND) and fulfill the requirements of the California Environmental Quality Act (CEQA) for the proposed project.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provision of Integrated Services Delivery (Goal 3). By improving the subject bridge, residents of the City and nearby unincorporated County communities who travel on Avenue J will benefit and their quality of life will be improved.

FISCAL IMPACT/FINANCING

There will be no impact to the County General Fund.

The total project cost is estimated to be \$3,112,000. This project will be administered under the Federal Highway Bridge Program covered by Agreement 76078 with the State of California. Under this program, Federal aid grant funds will be used to finance a portion of the project cost. A portion of the project is in the City. The cooperative agreement will provide for the County to perform the preliminary engineering and administer the construction of the project, with the City and the County to finance their respective jurisdictional shares of the non-Federal aid project costs, estimated to be \$281,000 and \$259,000, respectively. The agreement also provides for the City to finance its share of the cost by assigning Federal Surface Transportation-Local funds to the County. Funding for this project is included in the Fifth Supervisorial District's Road Construction Program in the Fiscal Year 2012-13 and recommended Fiscal Year 2013-14 Road Fund Budgets.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The enclosed cooperative agreement will be executed in a form approved by County Counsel.

The cooperative agreement provides for the County to perform the preliminary engineering and administer construction of the project, and the City and County to finance their respective jurisdictional shares of the non-Federal aid project cost. The City's actual payment will be based upon a final accounting after completion of the project.

Sections 1685 and 1803 of the California Streets and Highways Code provide that the Board of Supervisors of any county may enter into contracts or agreements with the legislative body of any city for the purpose of more efficient construction or repair of streets and roads within the city. This proposal is also authorized and provided for by the provisions of Sections 6500 and 23004, et seq., of the Government Code.

Sections 1700-1702 of the California Streets and Highways Code provide that the Board of Supervisors of any county may, by a resolution adopted by a four-fifths vote of its members, declare any highway in the county lying in whole or in part within a city to be a county highway for certain purposes, including improvement. The governing body of the affected city may consent to the relative portion of the highway within its jurisdiction being included as part of the county highway system. Thereafter, the Board of Supervisors of the County may acquire right of way, construct, maintain, improve, or repair such highway in the same manner as other county highways.

ENVIRONMENTAL DOCUMENTATION

An Initial Study was prepared for the project in compliance with the California Environmental Quality Act. The Initial Study showed that there is no substantial evidence that the project may have a significant effect on the environment. Based on the Initial Study, an ND was prepared. Public notice was published in the Antelope Valley Press on September 10, 2012, pursuant to Public Resources Code.

Section 21092 and posted at the Registrar-Recorder/County Clerk pursuant to Section 21092.3. Copies of the draft ND for public review were provided to the Lancaster library and available at our headquarters building in Alhambra. Notices regarding the availability of the draft ND were also mailed to residents within the vicinity of the project. There were no organizations or individuals who previously requested notice.

Comments were received from the California Department of Fish and Wildlife, formerly the California Department of Fish and Game; Native American Heritage Commission; and Lahontan Regional Water Quality Control Board. Responses to those comments are included in Appendix E of the ND and sent to these agencies pursuant to Section 21092.5.

The location of the documents and other materials constituting the record of the proceedings upon which the Board's decision is based on is the County of Los Angeles Department of Public Works, Programs Development Division, 900 South Fremont Avenue, 11th Floor, Alhambra, California 91803. The custodian of such documents and materials is Mr. Ed Dingman.

The project is not exempt from payment of a fee to the California Department of Fish and Wildlife pursuant to Section 711.4 of the Fish and Game Code to defray the costs of fish and wildlife protection and management incurred by the California Department of Fish and Wildlife. Upon the Board's adoption of the ND, Public Works will file a Notice of Determination in accordance with Section 21152(a) of the California Public Resources Code and pay the required filing and processing fees with the Registrar-Recorder/County Clerk in the amount of \$2,231.25.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Replacement of the timber bridge at Avenue J over Little Rock Creek is needed to enhance the quality of life for residents who travel on this street.

CONCLUSION

Please return one adopted copy of this letter and two originals of the resolution to the Department of Public Works, Programs Development Division. After final approval of the cooperative agreement by the Director of Public Works, a fully executed original of the cooperative agreement will be provided for your files.

Respectfully submitted,



GAIL FARBER
Director

GF:JTW:dg

Enclosures

c: Chief Executive Office (Rita Robinson)
County Counsel
Executive Office

**RESOLUTION DECLARING THE BRIDGE PORTION OF AVENUE J BRIDGE
OVER LITTLE ROCK CREEK, WITHIN THE CITY OF LANCASTER, TO BE A
PART OF THE COUNTY SYSTEM OF HIGHWAYS**

WHEREAS, by reason of its location and travel thereon, the bridge portion of Avenue J over Little Rock Creek, within the City of Lancaster, in the County of Los Angeles, State of California, should be a part of the County System of Highways for the limited purpose of replacing the existing timber bridge with a concrete slab bridge as provided in Sections 1700-1702 inclusive of the Streets and Highways Code of the State of California; and

WHEREAS, it is the purpose of the Board of Supervisors of said County to cause construction of the above-stated improvements and perform appurtenant work thereon provided the consent of the governing body of the City shall first be given by means of adopting the enclosed Resolution of the City Council of the City of Lancaster, California, consenting to the establishment of the bridge portion of Avenue J over Little Rock Creek within said City, as part of the County System of Highways;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Supervisors of the County of Los Angeles, State of California, that the bridge portion of Avenue J over Little Rock Creek, within the City of Lancaster, is hereby declared to be a part of the System of Highways of said County as provided in Section 1700 of the Streets and Highways Code of the State of California for the purpose of authorizing construction of the aforementioned work.

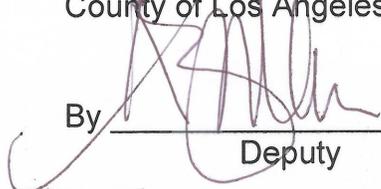
BE IT FURTHER RESOLVED, by the Board of Supervisors of the County of Los Angeles, State of California, that the County agrees:

- a) That the County of Los Angeles shall not be responsible for any damage or liability occurring by reason of any roadway condition on the bridge portion of Avenue J over Little Rock Creek, within the City of Lancaster, existing prior to the start of road construction by the County or following the completion and field acceptance of said construction.
- b) That the work to be performed by the County shall not include roadway maintenance activities on the Avenue J bridge over Little Rock Creek, within the City of Lancaster, prior to the start of bridge construction by the County or following the completion and field acceptance of said construction.

The foregoing Resolution was adopted on the 30th day of April, 2013, by the Board of Supervisors of the County of Los Angeles and ex-officio of the governing body of all other special assessments and taxing districts, agencies, and authorities for which said Board so acts.



SACHI A. HAMAI
Executive Officer of the
Board of Supervisors of the
County of Los Angeles

By 
Deputy

APPROVED AS TO FORM:

JOHN F. KRATTLI .
County Counsel

By 
Deputy

AVENUE J OVER LITTLE ROCK CREEK BRIDGE REPLACEMENT PROJECT

FINAL INITIAL STUDY / NEGATIVE DECLARATION

PREPARED FOR:

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803**

PREPARED BY:

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

JANUARY 30, 2013

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SECTION 1.0

PROJECT DESCRIPTION

1.1 PROJECT TITLE

Avenue J over Little Rock Creek Bridge Replacement Project

1.2 LEAD AGENCY AND PROJECT SPONSOR

County of Los Angeles, Department of Public Works
900 South Fremont Avenue, 11th Floor, Programs Development Division
Alhambra, California 91803-1331

1.3 PRIMARY CONTACT PERSON

Ms. Reyna Soriano
County of Los Angeles, Department of Public Works, Programs Development Division
900 South Fremont Avenue, 11th Floor
Alhambra, California 91803-1331
Telephone: (626) 458-5192
Fax: (626) 458-3179

1.4 LOCATION

The Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) area is located at East Avenue J, in the unincorporated County of Los Angeles (County), California, adjacent to the City of Lancaster (Figure 1.4-1, *Regional Vicinity Map*). The proposed project site located at East Avenue J, between 50th Street East and 70th Street East, in the County of Los Angeles, community of Littlerock, California (Figure 1.4-2, *Local Vicinity Map*). The surrounding project area is split between the unincorporated area of the County of Los Angeles to the north and the City of Lancaster to the south. State Route (SR) 58 is approximately 22.6 miles to the north, SR 18 (Mojave Freeway) is approximately 46 miles to the east, and SR 14 (Antelope Valley Freeway) and SR 138 (West Avenue D) are approximately 8.3 miles to the west.

The proposed project area is located within the jurisdiction of the County of Los Angeles and the County owns the land and operates the existing bridge; however, the City of Lancaster owns the land on the south side of the bridge, south of the right-of-way (ROW). The proposed project area is located within the U.S. Geological Survey (USGS) 7.5-minute series Lancaster East, California, topographic quadrangle (Figure 1.4-3, *Topographic Map*).¹ The topography of the proposed project area is relatively flat with the exception of the creek bed (Figure 1.4-3).

1.5 GENERAL PLAN LAND USE DESIGNATIONS

Within the County of Los Angeles, land uses that surround the project area are designated as agricultural and zoned as A-2 (Heavy Agriculture, Including Hog Ranches).^{2,3} The land areas to the

¹ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

² County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. GIS NET.

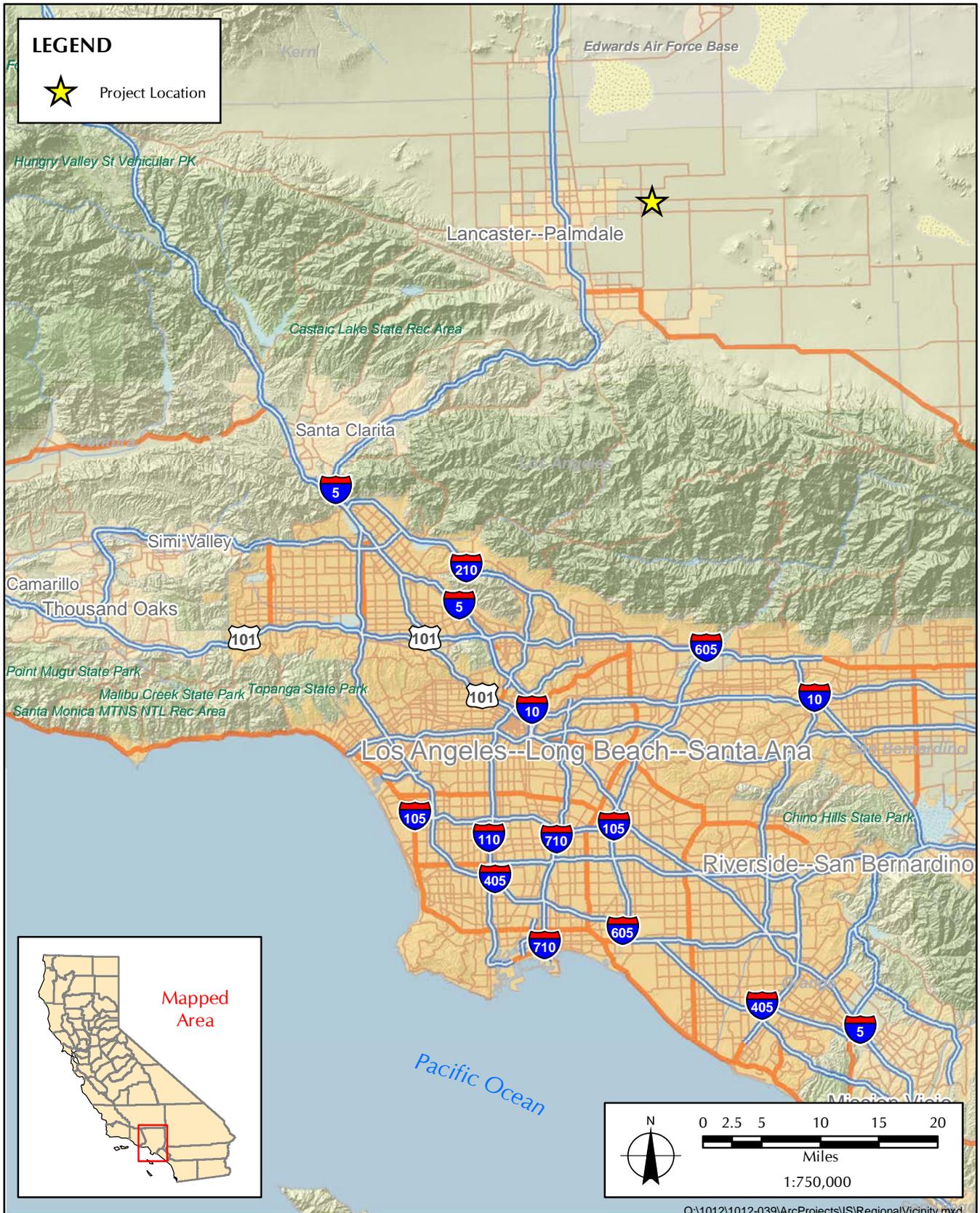


FIGURE 1.4-1
Regional Vicinity Map

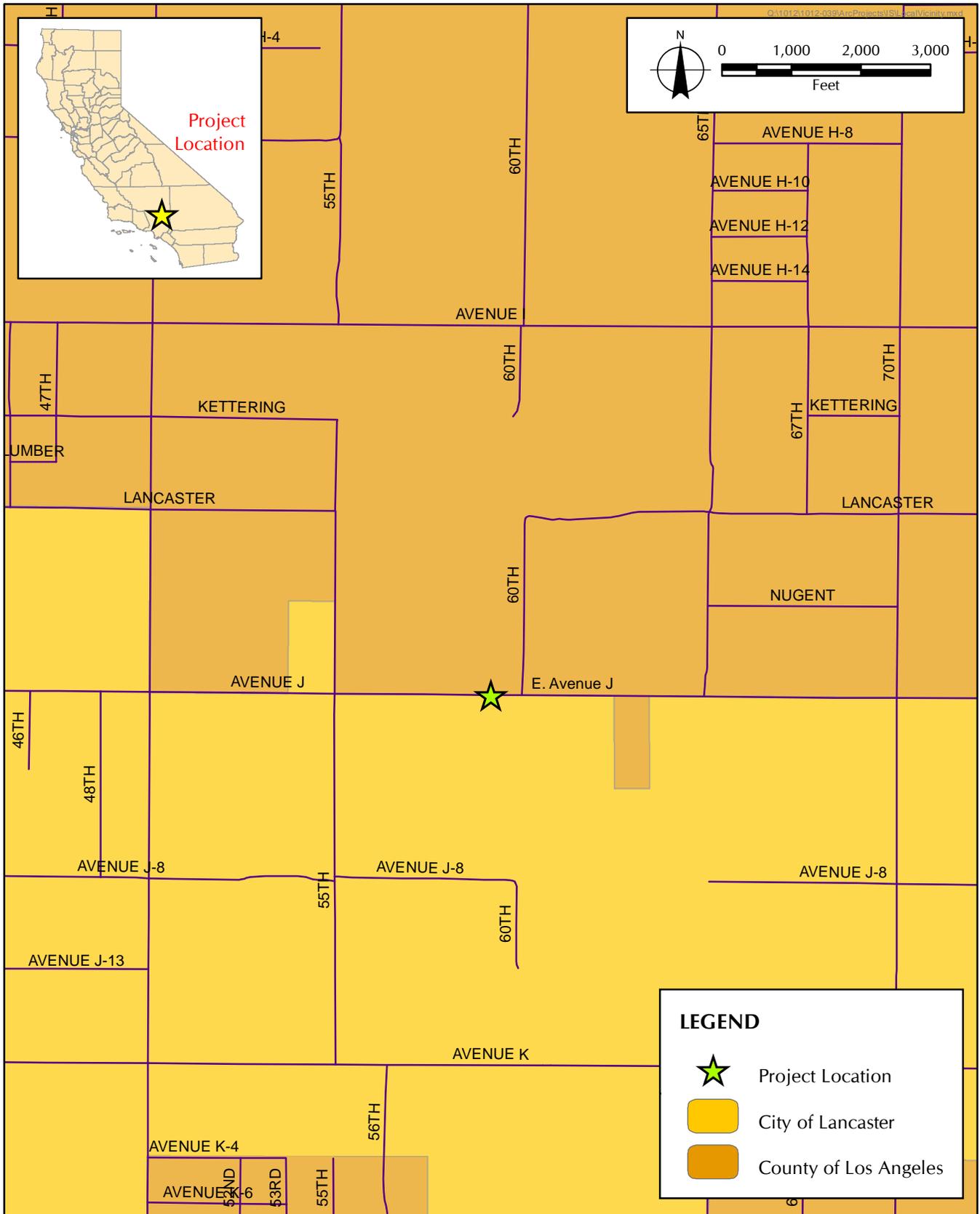


FIGURE 1.4-2
Local Vicinity Map

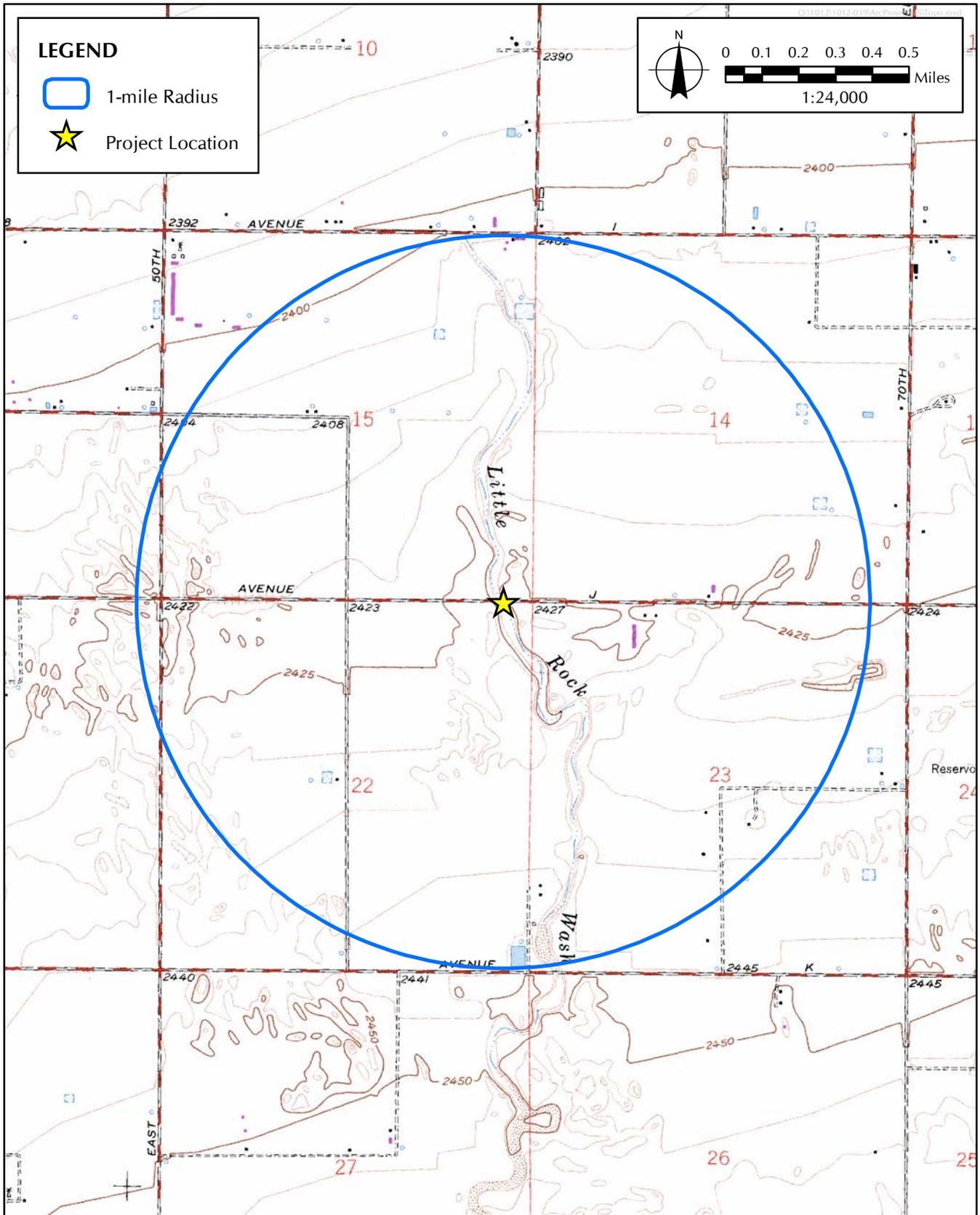


FIGURE 1.4-3
7.5-minute Lancaster East Quadrangle Map

south of the proposed project site contain some agricultural uses. The City of Lancaster General Plan 2030 (Lancaster General Plan) designates the entire area to the south of the proposed project site, as non-urban residential (NU). According to the Lancaster General Plan, the NU land use areas that surround the proposed project allow for 0.4 to 2.0 dwelling units per acre (DU/AC).⁴

1.6 PROJECT GOALS AND OBJECTIVES

The goal of the proposed project is to provide a new bridge that is improved and fully functional to meet the community needs, and that meets the following objectives:

- Satisfy a vital need to replace an aging bridge of out-of-date design that is costly to maintain
- Reduce existing bridge repair expenses
- Improve clearance under the bridge for stream flow, thereby reducing the area of streambed affected
- Improve road safety by providing adequate travel way and shoulder width across the bridge and upgraded concrete barriers

1.7 EXISTING CONDITIONS

The proposed bridge project consists of replacing the existing three-span timber bridge, which was constructed in 1952.⁵ The existing bridge is founded on timber piles that are laterally supported. The piles extend to below the riverbed floor and are covered in gunite up to approximately 6 to 8 feet above ground level at the piers and approximately 10 feet above ground level at the abutments. A cantilevered, wood-structured pedestrian walkway exists along the south side of the bridge. The existing bridge is approximately 68 feet long and approximately 26 feet wide and carries one lane of traffic in each direction.

Soils underlying the proposed project have a profile that generally consists of silty sands and sandy silts in a loose condition near the surface and increase to very dense with depth.⁶ Test borings conducted at the site did not encounter groundwater at 66.5 feet below ground surface, and there are reports of historical groundwater levels greater than 200 feet below the ground surface.⁷

1.8 PROPOSED PROJECT

The proposed project would replace an existing three-span timber bridge that is approximately 68 feet long by 26 feet wide and carries one lane of traffic in each direction, with a new bridge replacement that would be approximately 104 feet long by 40 feet wide. In addition, Avenue J would be improved and resurfaced for a distance of approximately 200 additional feet beyond the

³ County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. Zoning Ordinance Summary - Agricultural Zones. Available at: http://planning.lacounty.gov/luz/summary/category/agricultural_zones/

⁴ City of Lancaster. Adopted 14 July 2010. *Lancaster General Plan 2030, Land Use Map*. Available at: <http://www.cityoflancasterca.org/index.aspx?page=427>

⁵ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

⁶ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

⁷ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

bridge on each side (i.e., 200 feet on the east and 200 feet on the west). The proposed project would not involve expansion of the existing lane capacity. The bridge superstructure would consist of cast-in-place concrete slab and would be supported on columns (Figure 1.8-1, *Area of Impact*).

The new bridge foundation would be composed of either spread footing or pile footing, and rip-rap would be placed in the creek, along the banks, to protect against scour. Construction would also include falsework to be completed in the creek. All construction work would be undertaken within the existing roadway ROW. A permit to enter would be required for two temporary access roads to the creek for use during construction.

1.9 CONSTRUCTION SCENARIO

Prior to construction the existing pavement, vegetation, existing fill soils, and debris would be stripped and disposed of at the appropriate landfill location.⁸ The removed material would not be incorporated into any engineered fill. Rip-rap would be provided for slope protection. Site preparation and construction of the proposed project is anticipated to be completed within approximately 5.5 months and is scheduled to commence in 2014.⁹ Daily construction activities would normally be subject to County noise regulations. However, the construction noise levels of the proposed project are exempt from the noise limits of the County Noise Control Ordinance as specified in Part 5, Exemptions, H:¹⁰

Public Health and Safety Activities. *All transportation, flood control, and utility company maintenance and construction operations at any time on public right-of-way, and those situations which may occur on private real property deemed necessary to serve the best interest of the public and to protect the public's health and well being, including but not limited to street sweeping, debris and limb removal, removal of downed wires, restoring electrical service, repairing traffic signals, unplugging sewers, snow removal, house moving, vacuuming catch basins, removal of damaged poles and vehicles, repair of water hydrants and mains, gas lines, oil lines, sewers, etc. [Italics added for emphasis.]*

Construction activities and operation of construction equipment are anticipated to occur between the hours of 7:00 a.m. and 8:00 p.m., Monday through Friday. Construction activities would include demolition, excavation, mass site grading, fine site grading, framing, trenching, building construction, building and structure retrofitting, asphalt pavement, and architectural coatings. Additional construction activities would include delivery and hauling of construction materials and equipment, operation of construction equipment, and construction worker commute trips.

Site preparation and construction of the proposed project would be in accordance with all federal, state, and County building requirements and codes. Employees would report to a designated construction staging area at the beginning of each workday. This staging area is anticipated to be along the roadside (in the existing ROW) where ample road shoulder room presently exists. East Avenue J would be closed during project construction between 50th Street East and 70th Street

⁸ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

⁹ Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.

¹⁰ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Ordinance 11778, Section 2 (Article 1, Section 101); Ordinance 11773, Section 2 (Article 1, Section 101). Chapter 12.08. Available at: <http://ordlink.com/codes/lacounty/index.htm>

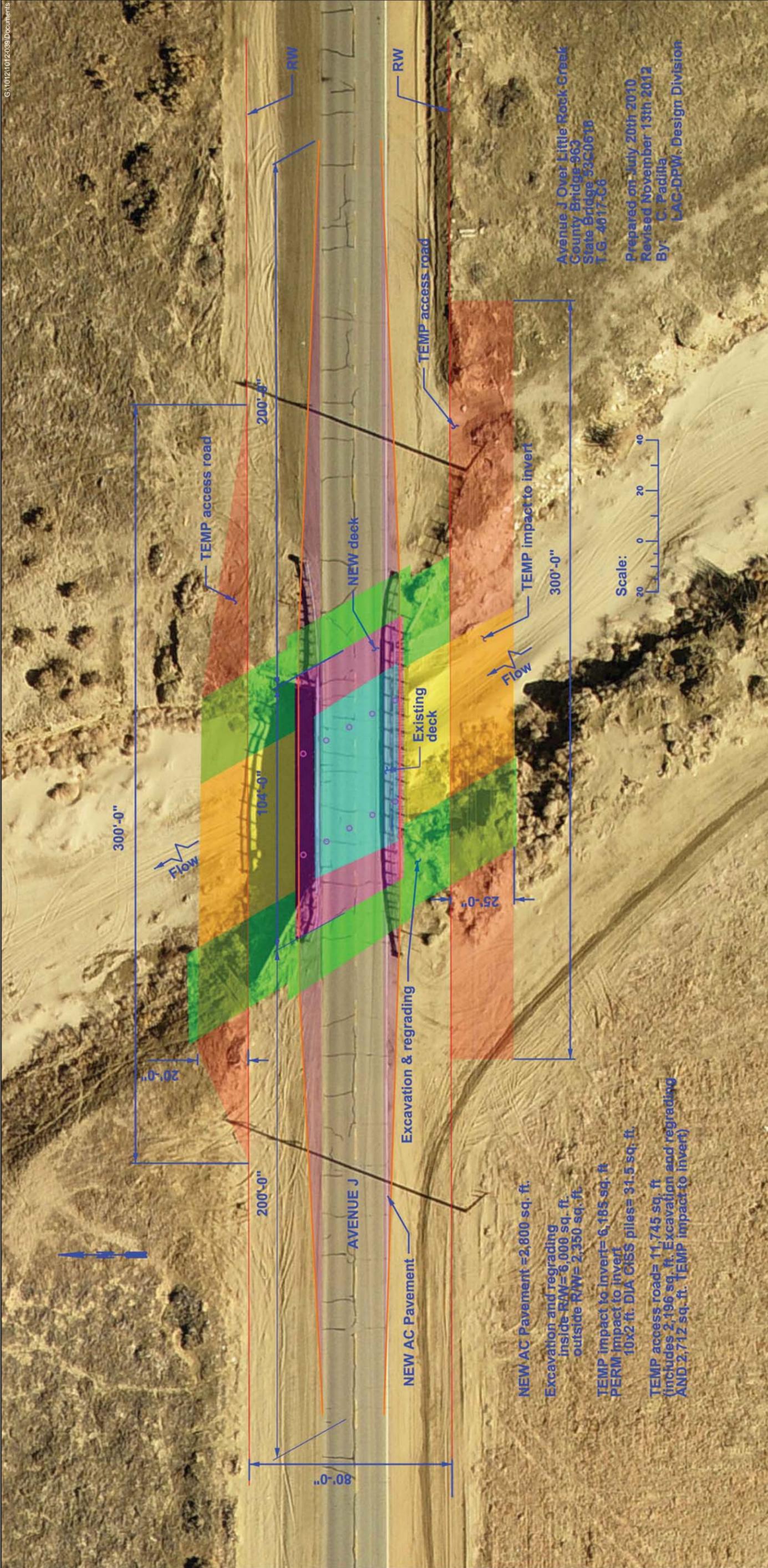


FIGURE 1.8-1
Area of Impact



East, with traffic being diverted to other surrounding roadways. Temporary closure of East Avenue J would expedite the construction process of the bridge. Figure 1.9-1, *Construction Detour Route*, illustrates the detour route that would be provided to drivers. Traffic would be diverted north from East Avenue J at 50th Street East to East Avenue I. Traffic would travel along East Avenue I until 70th Street East. The detour route would be approximately 4 miles long.

The construction of the proposed project would limit the amount and type of equipment needed at any given time. To the extent feasible, employee vehicles, construction equipment and vehicles, and storage and materials used throughout the proposed project area would be located in the staging area along the large ROW on the south side of East Avenue J.

Construction would conform to the requirements of the proposed project's Geotechnical Investigation Report, prepared by the County Department of Public Works Geotechnical Engineering and Materials Division.¹¹ In addition, all grading and earthwork would be performed under the observation of a geotechnical engineer to ensure proper preparation, selection of satisfactory materials, and correct placement and compaction of fills. Any unanticipated adverse conditions encountered would be evaluated by the project engineering geologist and the soil engineer. Subsequently, the appropriate recommendation would be made and implemented. The construction contractor would be required to incorporate best management practices (BMPs) consistent with the guidelines provided in the County of Los Angeles Department of Public Works *Construction Site Best Management Practices Manual*.¹² BMPs to control surface runoff and soil erosion would be required for construction taking place during rainy periods.

Construction activities related to demolition and grading is expected to take approximately 5.5 months, and construction of each side of the bridge would be completed within that timeframe. A Traffic Control Plan for construction activities would be required from the County. Types of equipment and vehicles expected to be used during construction of the proposed project are based on the conservative assumption that all construction elements of the proposed project would occur concurrently. It is anticipated that the proposed project would require approximately 1,400 cubic yards (cy) of excavation, 1,200 cy of export, and 450 cy of imported material for rip-rap.¹³

The plans and specifications for the proposed project would include operations and maintenance requirements in an effort to reduce impacts related to the construction equipment. The anticipated construction equipment necessary for the replacement bridge includes:¹⁴

- Pile driving machine
- Transporting equipment (Excavators for demolition)
- 40 T crane
- Back hoe
- Skip loader
- Concrete pump

¹¹ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Ord. 11778, Section 2 (Art. 1, Section 101), and Ord. 11773, Section 2 (Art. 1, Section 101). Available at: <http://ordlink.com/codes/lacounty/index.htm>

¹² County of Los Angeles Department of Public Works. August 2010. *Construction Site Best Management Practices Manual*. Los Angeles, CA.

¹³ Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.

¹⁴ Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.



FIGURE 1.9-1
Construction Detour Route

- Transit mixers
- Grader
- Air compressors and generators
- 10T dump trucks
- Paving machine
- 10T and smaller rollers
- Pick up and flat bed trucks
- Container for contractors tools
- Other equipment for demolition and construction
- Water trucks

Construction equipment would be turned off when not in use, to reduce idling times and minimize unnecessary air pollutant emissions during construction. The construction contractor would ensure that all construction and grading equipment is properly maintained. All vehicles and compressors would utilize exhaust mufflers, back-up alarms, and engine enclosure covers (as designed by the manufacturer) at all times.

1.9.1 Project Features

The following project features and BMPs have been included as part of the proposed project to ensure that potential project impacts remain minimal and less than significant.

Air Quality

Construction of the proposed project would include implementation of the following BMPs to ensure compliance with Antelope Valley Air Quality Management District (AVAQMD) Rule 403, Fugitive Dust. The proposed project would be constructed in accordance with the County of Los Angeles Department of Public Works *Construction Site Best Management Practices Manual*, including appropriate temporary soil stabilization BMPs, the wind erosion control BMP, and tracking control BMPs. The plans and specifications include the requirement for the construction contractor to comply with the County of Los Angeles Department of Public Works BMP checklist. Specifically regarding air quality, the plans and specifications for the proposed project will include the requirement for the construction contractor to comply with WE-1 "Wind Erosion Control," WM-3 "Stockpile Management," and TC-1 "Stabilized Construction Entrance/Exit" in the latest edition of the manual.

Cultural Resources

- If human remains are discovered during construction of the proposed project, construction in the area of the find shall cease and the County Corner shall be contacted immediately.

Geology

- The construction contractor would be required to conform to all grading and earthwork requirements set forth in Appendix E of the Geotechnical Investigation.¹⁵ Proposed project shall comply with these requirements and other applicable requirements, including the County of Los Angeles Department of Public Works *Construction Site Best Management Practices Manual*.¹⁶

Hydrology

- The proposed project contractor would implement best management practices¹⁷ that meet the requirements of responsible agencies to reduce or eliminate discharges to Little Rock Creek. These would include conducting bridge construction during the dry season when there is no stream flow.

Storm Water Runoff

- Storm water runoff would be minimal given the size of the project. The proposed bridge replacement project would be constructed in accordance with standard County of Los Angeles BMPs¹⁸ that would not require or result in construction of new storm water drainage facilities or expansion of existing facilities.

1.10 OPERATION AND MAINTENANCE

The County would continue to operate the bridge upon completion and would be responsible for all repairs and maintenance.

1.11 RELATED PROJECTS

Related projects are projects that are within the area surrounding the proposed project site that are currently in progress or proposed for the future that, when considered with the proposed project, could potentially result in cumulative environmental impacts. There are no anticipated County related projects within an approximate 1-mile radius of the proposed project site.¹⁹ Additionally, there are no anticipated City of Lancaster–related projects within an approximate 1-mile radius of the proposed project site.²⁰

¹⁵ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁶ County of Los Angeles Department of Public Works. August 2010. *Construction Site Best Management Practices Manual*. Los Angeles, CA.

¹⁷ California Department of Transportation. March 2003. *Construction Site Best Management Practices Manual*. Available at: http://www.dot.ca.gov/hq/construc/stormwater/CSBMPPM_303_Final.pdf

¹⁸ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁹ Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.

²⁰ Ng, Chuen, City of Lancaster, Planning Department. 11 January 2011. Telephone correspondence with Leanna Guillermo, Sapphos Environmental, Inc., Pasadena, CA.

1.12 REQUIRED APPROVALS

The anticipated approvals that would be required for the proposed project include, but are not limited to, those listed in Table 1.12-1, *Required Approvals/Regulations*. These approvals include anticipated permits, and licenses that would be required for development of the proposed project. The table further specifies the agencies and programs responsible for issuing each approval. The California Department of Transportation approved the Natural Environment Study (NES) on June 18, 2012.²¹ The County of Los Angeles Department of Public Works is currently preparing the notification of Lake or Streambed Alteration Agreement and Waste Discharge Requirements Application Form in support of the proposed project. All necessary approvals will be obtained prior to the implementation of construction activities and the project will be constructed and maintained in conformance with the terms and conditions of these approvals.

**TABLE 1.12-1
REQUIRED APPROVALS/REGULATIONS**

Permit / Approval / License Title	Agency/Program	Approval Status
NES Approval	California Department of Transportation	Approved June 18, 2012
Lake and Streambed Alteration Agreement (1602 Permit)	California Department of Fish and Wildlife (formerly California Department of Fish and Game)	Pending
Waste Discharge Requirements Application Form	Lahontan Regional Water Quality Control Board	Pending

²¹ Sapphos Environmental, Inc. 7 June 2012. Avenue J over Little Rock Creek Bridge Replacement Natural Environment Study. Pasadena, CA. Approved by California Department of Transportation, Division of Environmental Planning – District 7, Mr. Paul Caron, Senior District Biologist and Mr. Ollie Jackson, District Environmental Branch Chief 18 June 2012.

SECTION 2.0 ENVIRONMENTAL CHECKLIST

This section contains a copy of the Environmental Checklist prepared for the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project). The checklist used is consistent with Appendix G to the State California Environmental Quality Act (CEQA) Guidelines. A summary of the substantial evidence that was used to support the responses in the Environmental Checklist is contained in Section 3.0, Environmental Analysis.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by the project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the County of Los Angeles on the following pages.

- | | | |
|---|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology / Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality |
| <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation / Traffic | <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature Reyna Doriano

Date 1/30/2013

Printed Name Reyna Doriano

For _____

ENVIRONMENTAL CHECKLIST

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
2.1. AESTHETICS – Would the proposed project:				
a) Have a substantial adverse effect on a scenic vista?	_____	_____	_____	_____X_____
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	_____	_____	_____	_____X_____
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	_____	_____	_____	_____X_____
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	_____	_____	_____X_____	_____

2.2. AGRICULTURE AND FORESTRY RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the proposed project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	_____	_____	_____	<u> X </u>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	_____	_____	_____	<u> X </u>
c) Conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	_____	_____	_____	<u> X </u>
d) Result in the loss of forest land or conversion of forest land to non-forest uses?	_____	_____	_____	<u> X </u>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	_____	_____	_____	<u> X </u>

2.3. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the proposed project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	_____	_____	<u> X </u>	_____
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	_____	_____	<u> X </u>	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the proposed project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	_____	_____	<u> X </u>	_____
d) Expose sensitive receptors to substantial pollutant concentrations?	_____	_____	_____	<u> X </u>
e) Create objectionable odors affecting a substantial number of people?	_____	_____	<u> X </u>	_____

2.4. BIOLOGICAL RESOURCES -- Would the proposed project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	_____	_____	<u> X </u>	_____
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	_____	_____	<u> X </u>	_____
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	_____	_____	_____	<u> X </u>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	_____	_____	<u> X </u>	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	_____	_____	_____	<u> X </u>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	_____	_____	_____	<u> X </u>

2.5. CULTURAL RESOURCES -- Would the proposed project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?	_____	_____	_____	<u> X </u>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	_____	_____	<u> X </u>	_____
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	_____	_____	<u> X </u>	_____
d) Disturb any human remains, including those interred outside of formal cemeteries?	_____	_____	<u> X </u>	_____

2.6. GEOLOGY AND SOILS -- Would the proposed project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	_____	_____	<u> X </u>	_____
ii) Strong seismic ground shaking?	_____	_____	<u> X </u>	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Seismic-related ground failure, including liquefaction?	_____	_____	<u> X </u>	_____
iv) Landslides?	_____	_____	<u> X </u>	_____
b) Result in substantial soil erosion or the loss of topsoil?	_____	_____	<u> X </u>	_____
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	_____	_____	<u> X </u>	_____
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	_____	_____	_____	<u> X </u>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	_____	_____	_____	<u> X </u>

2.7. GREENHOUSE GAS EMISSIONS --

Would the proposed project:

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

2.8. HAZARDS AND HAZARDOUS

MATERIALS -- Would the proposed project:

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	_____	_____	<u> X </u>	_____
---	-------	-------	--------------	-------

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	_____	_____	<u> X </u>	_____
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	_____	_____	_____	<u> X </u>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	_____	_____	_____	<u> X </u>
e) For a proposed project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the proposed project area?	_____	_____	_____	<u> X </u>
f) For a proposed project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the proposed project area?	_____	_____	_____	<u> X </u>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	_____	_____	<u> X </u>	_____
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	_____	_____	_____	<u> X </u>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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2.9. HYDROLOGY AND WATER QUALITY – Would the proposed project:

- | | | | | |
|---|-------|-------|--------------|--------------|
| a) Violate any water quality standards or waste discharge requirements? | _____ | _____ | <u> X </u> | _____ |
| b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? | _____ | _____ | <u> X </u> | _____ |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site? | _____ | _____ | <u> X </u> | _____ |
| d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? | _____ | _____ | <u> X </u> | _____ |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? | _____ | _____ | <u> X </u> | _____ |
| f) Otherwise substantially degrade water quality? | _____ | _____ | <u> X </u> | _____ |
| g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | _____ | _____ | _____ | <u> X </u> |

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	_____	_____	<u> X </u>	_____
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	_____	_____	_____	<u> X </u>
j) Inundation by seiche, tsunami, or mudflow?	_____	_____	_____	<u> X </u>

2.10. LAND USE AND PLANNING --

Would the proposed project:

a) Physically divide an established community?	_____	_____	_____	<u> X </u>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	_____	_____	_____	<u> X </u>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	_____	_____	_____	<u> X </u>

2.11. MINERAL RESOURCES -- Would the proposed project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	_____	_____	_____	<u> X </u>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	_____	_____	_____	<u> X </u>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
2.12. NOISE – Would the proposed project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	_____	_____	<u> X </u>	_____
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	_____	_____	<u> X </u>	_____
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	_____	_____	_____	<u> X </u>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	_____	_____	<u> X </u>	_____
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the proposed project expose people residing or working in the proposed project area to excessive noise levels?	_____	_____	_____	<u> X </u>
f) For a project within the vicinity of a private airstrip, would the proposed project expose people residing or working in the proposed project area to excessive noise levels?	_____	_____	_____	<u> X </u>

2.13. POPULATION AND HOUSING –
Would the proposed project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	_____	_____	_____	<u> X </u>
---	-------	-------	-------	--------------

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	_____	_____	_____	<u> X </u>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	_____	_____	_____	<u> X </u>

2.14. PUBLIC SERVICES --

a) Would the proposed project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire protection?	_____	_____	_____	<u> X </u>
Police protection?	_____	_____	_____	<u> X </u>
Schools?	_____	_____	_____	<u> X </u>
Parks?	_____	_____	_____	<u> X </u>
Other public facilities?	_____	_____	_____	<u> X </u>

2.15. RECREATION --

a) Would the proposed project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

	_____	_____	_____	<u> X </u>
	_____	_____	_____	<u> X </u>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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2.16. TRANSPORTATION/TRAFFIC –

Would the proposed project:

- | | | | | |
|--|-------|-------|--------------|--------------|
| a) Conflict with an applicable plan, ordinance or policy established measure of effectiveness for the performance of the circulation system, taking into account all models of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths and mass transit? | _____ | _____ | <u> X </u> | _____ |
| b) Conflict with an applicable congestion management program, including but not limited to the level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways? | _____ | _____ | _____ | <u> X </u> |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | _____ | _____ | _____ | <u> X </u> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | _____ | _____ | _____ | <u> X </u> |
| e) Result in inadequate emergency access? | _____ | _____ | <u> X </u> | _____ |
| f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities? | _____ | _____ | _____ | <u> X </u> |

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
2.17. UTILITIES AND SERVICE SYSTEMS – Would the proposed project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	_____	_____	_____	<u> X </u>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	_____	_____	_____	<u> X </u>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	_____	_____	_____	<u> X </u>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	_____	_____	_____	<u> X </u>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	_____	_____	_____	<u> X </u>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	_____	_____	_____	<u> X </u>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	_____	_____	_____	<u> X </u>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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2.18. MANDATORY FINDINGS OF SIGNIFICANCE

- | | | | | |
|--|-------|-------|--------------|-------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | _____ | _____ | <u> X </u> | _____ |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? (Cumulatively considerable means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | _____ | _____ | <u> X </u> | _____ |
| c) Does the proposed project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | _____ | _____ | <u> X </u> | _____ |

SECTION 3.0

ENVIRONMENTAL ANALYSIS

The environmental analysis provided in this section describes the information that was considered in evaluating the questions in Section 2.0, *Environmental Checklist*. The information used in this evaluation is based on a review of relevant literature, Memoranda for the Record, technical reports, and appendices (see Section 4.0, *References*, for a list of reference material consulted) and field reconnaissance.

3.1 AESTHETICS

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to aesthetics that would require the consideration of mitigation measures or alternatives in accordance with Section 15063 of the State of California Environmental Quality Act (CEQA) Guidelines.¹ Aesthetics at the proposed project site were evaluated with regard to the County of Los Angeles General Plan,² California Department of Transportation's (Caltrans) Scenic Highway System designations,³ site reconnaissance, and a review of the proposed site plans.

State CEQA Guidelines recommend the consideration of four questions when addressing the potential for significant impacts to aesthetics.

Would the proposed project have any of the following effects:

- (a) Have a substantial adverse effect on a scenic vista?

The proposed project would not be expected to result in any impacts to aesthetics in relation to scenic vistas. The County of Los Angeles (County) Regional Recreation Areas Plan identifies scenic vistas as vista points, which are "areas that command a panoramic and in most cases spectacular view by virtue of elevation differential and relative freed from visual obstructions."⁴ The proposed bridge replacement project is located within unincorporated County territory, adjacent to the City of Lancaster's northeastern boundary. The project vicinity is characterized by agricultural lands, open space, and rural residences. There are some ridgelines in the distance that provide views for nearby unincorporated County communities and portions of the City of Lancaster; however, the proposed project components would not obstruct views. The proposed project area and surroundings have a relatively flat terrain. Based on review of the County General Plan Conservation, Open Space, and Recreation element's⁵ definition of a scenic vista, as well as site surveys, it has been determined that the proposed project site does not fall within a scenic vista. The proposed project would replace the existing bridge with a new bridge. The proposed project would replace an existing three-span timber bridge that is approximately 68 feet long by 26 feet wide and carries one lane of traffic in each direction, with a new bridge that would be approximately 104 feet long by 40 feet wide. The proposed structure has been designed to be visually compatible with the surrounding area. The proposed project area is not located in the vicinity of a scenic vista as designated by the County. Therefore, the proposed project would not be expected to result in impacts to aesthetics related to scenic vistas. No further analysis is warranted.

¹ California Code of Regulations. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ California Department of Transportation. Accessed on 12 August 2010. The California Scenic Highway System: A List of Eligible (E) and Officially Designated (OD) Routes (by Route). Available at: <http://www.dot.ca.gov/hq/LandArch/scenic/schwy1.html>

⁴ County of Los Angeles Department of Regional Planning. 29 July 1965. *Los Angeles County Regional Recreation Areas Plan: A Part of the Recreation Element of the General Plan*. Los Angeles, CA.

⁵ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

- (b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a State scenic highway?

The proposed project would not be expected to result in impacts to aesthetics in relation to substantial damage to scenic resources within a State scenic highway. County of Los Angeles has only one officially designated State scenic highway, State Route 2 (SR 2). In addition, there are two County Designated Scenic Highways (Table 3.1-1, *State and County Officially Designated Scenic Highways*).

**TABLE 3.1-1
STATE AND COUNTY OFFICIALLY DESIGNATED SCENIC HIGHWAYS⁶**

Designation	Highway	Location
State Scenic Highway	Angeles Crest Highway, Route 2	From 2.7 miles north of I-210 to the San Bernardino County Line.
County Scenic Highway	Mulholland Highway	From State Route 1 to Kanan Dume Rd. From West of Cornell Rd. to East of Las Virgenes Rd.
County Scenic Highway	Malibu Canyon – Las Virgenes Highway	From State Route 1 to Lost Hills Rd.

SOURCE: California Department of Transportation. Accessed 12 August 2010. Officially Designated State and County Scenic Highways. Available at: <http://www.dot.ca.gov/hq/LandArch/scenic/schwy.htm>

The closest officially designated scenic highway is located over 30 miles from the proposed project site, and the proposed project site is not visible from any of the designated highways. The proposed project area does not include any significant tree, rock outcropping, or historic building scenic resources. Therefore, the proposed project would not be expected to result in significant impacts to aesthetics related to substantial damage to scenic resources within a state scenic highway. No further analysis is warranted.

- (c) Substantially degrade the existing visual character or quality of the site and its surroundings?

The proposed project would not substantially degrade the existing visual character or quality of the site or its surroundings. The project vicinity is characterized by generally flat terrain that includes agricultural lands, open space, and rural residences.

The proposed project is a bridge replacement project located in an area characterized by a relatively flat terrain. Once implemented, the project features would be horizontal and low to the ground. There are some ridgelines in the distance that provide views for nearby unincorporated County communities and portions of the City of Lancaster; however, the proposed project components would not obstruct views. The proposed project would not degrade the visual character of the proposed project site and its surroundings. As the proposed project would upgrade a bridge that is outdated and in need of repair, it would instead contribute to a visual improvement once the new bridge is complete. Therefore, there would be no expected impacts to aesthetics related to degradation of the existing visual character of the proposed project site or its surroundings. No further analysis is warranted.

⁶ California Department of Transportation. Accessed 12 August 2010. Officially Designated State and County Scenic Highways. Available at: <http://www.dot.ca.gov/hq/LandArch/scenic/schwy.htm>

- (d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The proposed project would be expected to result in less than significant impacts to aesthetics related to the creation of a new source of substantial light or glare that would adversely affect daytime or nighttime views in the proposed project area. The proposed project is a bridge replacement project and would not add any new light sources. While temporary lane closure on the bridge would occur as part of project construction, nighttime lighting is anticipated to be limited to ground reflectors and low-light signage needed for safety. There are no immediate sensitive receptors within the adjacent areas that would be adversely affected by the proposed temporary road safety lighting. Therefore, the proposed project would be expected to result in less than significant impacts to aesthetics related to the creation of a new source of substantial light or glare that would adversely affect daytime or nighttime views in the proposed project area. No further analysis is warranted.

3.2 AGRICULTURE AND FORESTRY RESOURCES

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to agriculture and forestry resources, thus requiring the consideration of mitigation measures or alternatives in accordance with Section 15063 of the State of California Environmental Quality Act (CEQA) Guidelines.¹ Agriculture resources at the proposed project site were evaluated with regard to the California Department of Conservation (CDC) Farmland Mapping and Monitoring Program (FMMP)² and the City of Lancaster General Plan.³

State CEQA Statutes [(§21060.1(a) Public Resources Code 21000-21177)] define agricultural land to mean “prime farmland, farmland of statewide importance, or unique farmland, as defined by the United States Department of Agriculture (USDA) land inventory and monitoring criteria, as modified for California,” and is herein collectively referred to as “Farmland.” State CEQA Guidelines recommend the consideration of five questions when addressing the potential for significant impacts to agriculture and forestry resources.

Would the proposed project have any of the following effects:

- (a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

The proposed project would not be expected to result in impacts to agriculture and forestry resources in relation to the conversion of Farmland. The proposed project would be constructed within the existing right-of-way (ROW) of Avenue J and all construction activities would be undertaken within or adjacent to the existing right-of-way. Although the adjacent land area southwest of the existing Avenue J Bridge and Little Rock Creek are recorded as prime farmland, the proposed project and construction activities would not impact this area or cause permanent conversion of the land to non-agricultural use.⁴ Therefore, there would be no expected impacts to agriculture and forestry resources related to the conversion of Farmland. No further analysis is warranted.

- (b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

The proposed project would not be expected to result in impacts to agriculture and forestry resources in relation to a conflict with existing zoning for agricultural use, or a Williamson Act contract. Although the adjacent land north of the proposed project that is in the unincorporated

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program. 2004. *Important Farmland in California, 2002*. Sacramento, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Available at: <http://www.cityoflancasterca.org/index.aspx?page=427>

⁴ California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program. 2004. *Important Farmland in California, 2002*. Sacramento, CA. Map available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2008/los08.pdf>

area of the County of Los Angeles is zoned for intensive agriculture,⁵ the proposed project would be located within the existing ROW of Avenue J and construction activities would occur within the ROW or adjacent to it, mostly in the streambed and banks and there would be no conflict with existing zoning for agriculture. Land adjacent to the project area is not under a Williamson Act contract.⁶ Based on the review of the City of Lancaster land use and zoning maps,^{7,8} and status of Williamson Act contracts, there would be no expected impacts to agriculture and forestry resources related to a conflict with existing zoning for agricultural use or a Williamson Act contract. No further analysis is warranted.

- (c) Conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

The proposed project would not be expected to result in impacts to agriculture and forestry resources in relation to conflict with existing zoning for, or cause rezoning of forest land, timberland, or timberland rezoned Timberland Production. There are no forestlands or timberlands in the proposed project area and these areas are not zoned as any type of forestland.^{9,10,11} The proposed project would not require areas adjacent to the highway ROW to be rezoned as the project would be undertaken within the existing ROW of the highway. Therefore, there would be no expected impacts to agriculture and forestry resources related conflict with existing zoning for, or causing rezoning of forest land, timberland, or timberland zoned. No further analysis is warranted.

- (d) Result in the loss of forest land or conversion of forest land to non-forest uses?

The proposed project would not result in the loss of forest land or conversion of forest land to non-forest uses. The County of Los Angeles General Plan Land Use element and Zoning Ordinance were reviewed to determine the compatibility of the proposed project with adopted land use plans, policies, and regulations.^{12,13} Land uses that surround the project that are within the County are designated as agricultural and zoned as A-2 (Heavy Agriculture, Including Hog Ranches).^{14,15}

⁵ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

⁶ California Department of Conservation. Williamson Act Program – Reports and Statistics. Available at: http://www.conservation.ca.gov/dlrp/lca/stats_reports/Pages/index.aspx

⁷ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*, Land Use Map. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=430>

⁸ City of Lancaster. 20 January 2010. Draft Zoning Map. Lancaster, CA.

⁹ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*, Land Use Map. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=430>

¹⁰ City of Lancaster. 20 January 2010. Draft Zoning Map. Lancaster, CA.

¹¹ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹³ County of Los Angeles. July 1996. County Code, Title 22, "Planning and Zoning."

¹⁴ County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. GIS NET.

According to the City of Lancaster General Plan, land uses that surround that project area are classified as non-urban residential (NU) and allow for 0.4 to 2.0 dwelling units per acre (DU/AC).¹⁶ The proposed project is a bridge improvement project, and would not add or change any land uses. Therefore, the proposed project would have no impacts related to loss of forest land or conversion of forest land to non-forest uses. No further analysis is warranted.

- (e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

The proposed project would not result in impacts to agriculture and forestry resources in relation to changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. The proposed project is a bridge replacement project that would be constructed within the existing ROW of Avenue J. Construction activities would occur in the existing ROW and adjacent areas. A temporary access road immediately adjacent to the existing ROW would be constructed on the north side of the bridge. The proposed project would not affect the suitability of any designated farmland for development because the existing land use of the project area would not be changed. There are no forest lands in the proposed project area.^{17,18} Therefore, there would be no expected impacts to agriculture or forestry resources related to changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or the conversion of forest land to non-forest use. No further analysis is warranted.

¹⁵ County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. Zoning Ordinance Summary - Agricultural Zones. Available at: http://planning.lacounty.gov/luz/summary/category/agricultural_zones/

¹⁶ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*, Land Use Map. Available at: <http://www.cityoflanasterca.org/Index.aspx?page=430>

¹⁷ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*, Land Use Map. Available at: <http://www.cityoflanasterca.org/Index.aspx?page=430>

¹⁸ City of Lancaster. 20 January 2010. Draft Zoning Map. Lancaster, CA.

3.3 AIR QUALITY

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to air quality, thus requiring the consideration of mitigation measures or alternatives in accordance with Section 15063 of the California Environmental Quality Act (CEQA) Guidelines.¹ Air quality at the proposed project site was evaluated with regard to the County of Los Angeles (County) General Plan,² the National Ambient Air Quality Standards (NAAQS),³ the California Ambient Air Quality Standards,⁴ and the Clean Air Act (CAA).⁵

The proposed project is located in the Antelope Valley Air Quality Management District (AVAQMD) portion of the Mojave Desert Air Basin (MDAB). The assessment of construction impacts was based on a construction scenario described in Section 1.0, *Project Description*. The conclusions reflect guidelines established by the *AVAQMD CEQA and Federal Conformity Guidelines*.⁶

The proposed project is served by the Lancaster-Division Street Monitoring Station, approximately 6 miles west-southwest of the proposed project site at 43301 Division St, Lancaster California 93535. This monitoring station measures particulate matter (PM_{2.5} and PM₁₀), carbon oxide (CO), ozone (O₃), and nitrogen dioxide (NO₂).

The potential for the proposed project to result in new or substantially more adverse significant impacts to air quality was evaluated in relation to five questions recommended for consideration by the State CEQA Guidelines.⁷

Would the proposed project:

- (a) Conflict with or obstruct implementation of the applicable air quality plan?

Impacts to air quality related to whether the proposed project conflicts with or obstructs implementation of the applicable air quality plan would be expected to be below the level of significance, considering project best management practices (BMPs) The proposed project area is located within the AVAQMD portion of the MDAB; therefore, the proposed project site is located within the boundaries regulated pursuant to the AVAQMD Federal 8-Hour Ozone Attainment Plan.⁸ The AVAQMD portion of the MDAB is currently classified as a Severe-17 non-attainment

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ U.S. Environmental Protection Agency. 2008. *National Ambient Air Quality Standards (NAAQS)*. Available at: <http://www.epa.gov/air/criteria.html>

⁴ Air Resources Board. 2008. *California Ambient Air Quality Standards (CAAQS)*. Available at: <http://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm>

⁵ U.S. Environmental Protection Agency. 2008. *Federal Clean Air Act*, Title I, "Air Pollution Prevention and Control." Available at: <http://www.epa.gov/air/caa/>

⁶ Antelope Valley Air Quality Management District. December 2008. *AVAQMD CEQA and Federal Conformity Guidelines*.

⁷ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

⁸ Antelope Valley Air Quality Management District. 20 May 2008. *AVAQMD Federal 8-Hour Ozone Attainment Plan*. Lancaster, CA.

area for the federal 8-hour O₃ standard, but is in attainment with the NAAQS for all other criteria pollutants.⁹ The AVAQMD portion of the MDAB is classified as Extreme non-attainment for the State O₃ standard and non-attainment for the state PM₁₀ standard.¹⁰ The AVAQMD Federal 8-Hour Ozone Attainment Plan provides planning strategies to reduce O₃ precursor [nitrogen oxides (NO_x) and volatile organic compounds (VOC)] emissions in order to achieve attainment of the 8-hour NAAQS for O₃ by 2021.¹¹

Existing air quality within the proposed project vicinity is characterized by a mix of local emission sources that include stationary activities, such as space and water heating, landscape maintenance, and consumer products, and mobile sources, such as primarily automobile and truck traffic.

The AVAQMD evaluates projects in terms of air pollution thresholds.¹² The proposed project would be considered significant if implementation would result in daily construction- or operation-related emissions that cause or exceed the AVAQMD thresholds of significance. As described in Section 1.0, *Project Description*, the proposed project would require construction of a bridge replacement that would be 104 feet long by 40 feet wide. Construction would also include falsework to be completed in the creek and approach roadway work up to 200 feet on each side of the bridge. Construction of the proposed project, as currently conceived, would be expected to be completed within approximately 5.5 months. Due to the relatively small area under construction and the relatively short duration of construction activities, construction activities associated with the proposed project would be expected to result in less than significant impacts in relation to consistency with the applicable air quality plan.

Based on the construction scenario described in Section 1.0, *Project Description*, the proposed project's daily construction emissions were estimated by using the URBEMIS 2007 emissions model (Table 3.3-1, *Estimated Daily Construction Emissions*) and Appendix A, *URBEMIS Output for the Proposed Project*. The daily construction emissions associated with the proposed project's construction activities would not be expected to exceed the AVAQMD regional significance thresholds. In addition, BMPs that are included as project features in Section 1.0, would serve to reduce particulate matter emissions and ensure compliance with AVAQMD Rule 403, Fugitive Dust.

⁹ Antelope Valley Air Quality Management District. December 2008. *AVAQMD CEQA and Federal Conformity Guidelines*.

¹⁰ Antelope Valley Air Quality Management District. December 2008. *AVAQMD CEQA and Federal Conformity Guidelines*.

¹¹ Antelope Valley Air Quality Management District. 20 May 2008. *AVAQMD Federal 8-Hour Ozone Attainment Plan*. Lancaster, CA.

¹² Antelope Valley Air Quality Management District. December 2008. *AVAQMD CEQA and Federal Conformity Guidelines*.

**TABLE 3.3-1
ESTIMATED DAILY CONSTRUCTION EMISSIONS**

Construction Phase	Construction Emissions (Pounds/Day)					
	VOCs	NO _x	CO	SO _x	PM _{2.5}	PM ₁₀
Demolition	1.64	11.52	8.88	0.00	0.71	0.78
Mass Site Grading	2.82	23.30	12.92	0.00	1.88	5.14
Fine Site Grading	2.72	22.00	12.42	0.00	1.83	5.08
Trenching	1.83	15.29	8.92	0.00	0.68	0.74
Building Construction	1.08	8.10	5.79	0.00	0.46	0.50
Paving	1.80	10.82	8.47	0.00	0.85	0.93
Maximum Emissions	2.84	23.49	13.00	0.00	1.88	5.15
AVAQMD Daily Significance Threshold (Pounds/Day)	137	137	548	137	82	82
Significant?	No	No	No	No	No	No

SOURCE: Sapphos Environmental, Inc. 18 April 2011. URBEMIS 2007 Model Output. Pasadena, CA.

Implementation of the proposed project would be expected to be consistent with the County General Plan land use designations for the area.¹³ The proposed project, as currently conceived, entails the use of a new 104-foot by 40-foot-wide bridge. Implementation of the proposed project would not be expected to create new activity that would contribute to air quality impacts in the surrounding area. Operation of the proposed project would not cause emissions due to space and water heating or vehicle trips. Therefore, direct and indirect air quality emissions during operation of the proposed project would be expected to be below the AVAQMD thresholds for significance.

In conclusion, both construction- and operation-related impacts to air quality associated with the proposed project in relation to its consistency with the applicable air quality plan would be expected to be below the level of significance.

- (b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Impacts to air quality related to a violation of any air quality standard or a substantial contribution to an existing or projected air quality violation would be expected to be below the level of significance. Construction-related air quality impacts may result from combustion emissions from on-site construction and mobile equipment and from fugitive dust emissions from demolition, grading, and site preparation activities. The proposed project would be expected to entail several construction components, such as demolition, mass site grading, fine site grading, framing, trenching, paving, bridge construction, asphalt paving, and architectural coating. Construction of the proposed project would be expected to be completed within approximately 5.5 months and would not be expected to contribute to an exceedance of air quality standards (Table 3.3-1). In addition, BMPs that are included as project features in Section 1.0 would serve to ensure compliance with AVAQMD Rule 403, Fugitive Dust.

¹³ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

Once constructed, the proposed project would not be expected to result in an increase in daily vehicular trips or operational air quality emissions. The operational function of the proposed project as a bridge would not be expected to cause a new air quality violation.

Due the relatively small area under construction and the relatively short duration of construction activities, impacts to air quality in relation to violating applicable air quality standards or contributing to an existing or projected air violation would be expected to be below the level of significance.

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

Impacts to air quality related to a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard would be expected to be below the level of significance. The proposed project site is located within the AVAQMD portion of the MDAB, which is designated as a nonattainment area according to the state and federal O₃ standards and State PM₁₀ air quality standards. During the construction phase, primary emissions would include ozone precursor emissions and particulate matter. Ozone precursor emissions from construction equipment and vehicles coming to and from the proposed project site would be the primary source of impact to air quality associated with construction of the proposed project. In addition, BMPs that are included as project features in Section 1.0 would serve to ensure compliance with AVAQMD Rule 403, Fugitive Dust. The operational function of the proposed project as a bridge would not be expected to cause an increase in emissions of criteria pollutants. Due to the relatively small size of the proposed project, impacts related to a cumulatively considerable net increase of one or more criteria pollutants for which the project region is in nonattainment status under the applicable federal or state ambient air quality standards would be expected to be below the level of significance.

- (d) Expose sensitive receptors to substantial pollutant concentrations?

Implementation of the proposed project would not be expected to result in significant impacts to air quality related to the exposure of sensitive receptors to substantial pollutant concentrations. The closest residences to the proposed project are 0.5 mile to 1 mile away. There are no schools within a 1-mile radius of the proposed project. Additionally, the proposed project would not allow pedestrian access. Therefore, the proposed project does not have the potential to result in impacts to air quality in relation to the exposure of sensitive receptors to substantial pollutant concentrations.

- (e) Create objectionable odors affecting a substantial number of people?

Impacts to air quality related to whether the proposed project would create objectionable odors affecting a substantial number of people would be expected to be below the level of significance. Odors associated with emissions from diesel equipment may be considered unpleasant by some people, and the use of diesel-powered equipment would be anticipated to occur daily during the construction phase of the proposed project. However, there are no schools within a 1-mile radius of the proposed project, no residences within a 0.5-mile radius of the proposed project, and the proposed project would not allow pedestrian access. In addition, the use of diesel-powered equipment would occur only in the short-term during the construction period and the proposed

project would implement best management practices (BMPs) during construction (such as shutting off equipment when not in use and limiting idling time in accordance with State law) that would further reduce this potential impact. Therefore, the proposed project's impacts related to objectionable odors would be expected to be below the level of significance during construction.

The proposed project would operate as a bridge, and as such, the operational function of the proposed project would not be likely to result in the creation of objectionable odors. Therefore, impacts to air quality related to whether the proposed project would create objectionable odors affecting a substantial number of people would be expected to be below the level of significance.

3.4 BIOLOGICAL RESOURCES

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact on biological resources, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Biological resources at the proposed project site were evaluated with regard to the County of Los Angeles General Plan² and City of Lancaster General Plan,³ a query of the California Natural Diversity Database (CNDDDB)⁴ for the U.S. Geological Survey (USGS) 7.5-minute series topographic Lancaster East quadrangle where the project is located, a review of published and unpublished literature germane to the proposed project, and a site visit conducted on July 14, 2010.

State CEQA Guidelines recommend the consideration of the following six questions when addressing the potential for significant impacts to biological resources:

Would the proposed project have any of the following effects:

- (a) Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW; formerly known as California Department of Fish and Game [CDFG]) or the U.S. Fish and Wildlife Service?

Listed Species

The proposed project would be expected to result in less than significant impacts to biological resources in relation to species listed as rare, threatened, or endangered pursuant to the federal and State Endangered Species Acts (ESAs). On July 14, 2010, a biological site visit was conducted by Sapphos Environmental, Inc. (Ms. Saudamini Sindhar and Mr. John Ivanov). Of the species listed as rare, threatened, or endangered pursuant to the federal and State ESAs that were identified as having the potential to occur in the region of north central County of Los Angeles as a result of a query of the CNDDDB (Table 3.4-1, *Listed Wildlife Species with the Potential to Occur in the Region of the Proposed Project Site*), two of the species were determined to have the potential to occur within the proposed project area: Swainson's hawk (*Buteo swainsoni*) and golden eagle (*Aquila chrysaetos*).

¹ California Code of Regulations. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. <http://www.cityoflancasterca.org/Index.aspx?page=430>

⁴ California Department of Fish and Game. 2010. *Rarefind 3: A Database Application for the Use of the California Department of Fish and Game Natural Diversity Data Base*. Sacramento, CA

**TABLE 3.4-1
LISTED WILDLIFE SPECIES WITH THE POTENTIAL TO OCCUR IN THE REGION OF
THE PROPOSED PROJECT SITE**

Species	Status	Habitat Requirements	Habitat Assessment
Swainson's hawk (<i>Buteo swainsoni</i>)	ST	Inhabits grassland, shrubland, and agricultural areas with open areas to forage for its small prey and where roost sites are available	Not observed on the proposed project study area. Suitable habitat observed for foraging, no roosting habitat observed.
Mohave ground squirrel (<i>Spermophilus mohavensis</i>)	ST	Saltbush scrub, alkali desert scrub, creosote bush scrub, and Joshua tree woodland	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Golden eagle (<i>Aquila chrysaetos</i>)	FPS	Uncommon permanent resident and migrant throughout California; forages on edges of lakes, marshes, rivers and estuaries	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.

KEY:

ST = Listed as threatened by the State of California

FPS = Listed as fully protected by the State of California

While the proposed project site contains suitable foraging habitat for the Swainson's hawk and golden eagle, neither of these species or suitable roosting habitat for these species were observed at the proposed project site. No appreciable amount of vegetation that comprises suitable foraging habitat would be removed as a result of implementation of the proposed project. Foraging Swainson's hawks and golden eagles (if present) may be indirectly affected by construction-related noise; however, they are likely habituated to similar levels of noise that already occur in the surrounding area and are unlikely to be displaced from habitats that are key to their survival since other equally suitable or better habitats are available elsewhere. While these effects would be difficult to detect or measure, they may not even occur. Based on these factors, the proposed project is unlikely to affect the Swainson's hawk and golden eagle, or their habitat.

It was also determined that the proposed project site does not contain suitable habitat to support the Mohave ground squirrel as the vegetation communities required by the Mohave ground squirrel were not observed at the proposed project site. The proposed project site is a small area located on an existing road (Avenue J) bridge crossing over Little Rock Creek. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. Therefore, the proposed project would not be expected to result in significant impacts to biological resources related to species listed as rare, threatened, or endangered pursuant to the federal and State ESAs. No further analysis is warranted.

Sensitive Species

The proposed project would be expected to result in less than significant impacts to biological resources in relation to sensitive species recognized by CDFW as California special concern species. Of the sensitive species that were identified as having the potential to occur in the region of north central County of Los Angeles as a result of a query of the CNDDDB (Table 3.4-2, *Sensitive Wildlife Species with the Potential to Occur in the Region of the Proposed Project Site*), one of the species was determined to have the potential to occur within the project area [burrowing owl (*Athene cunicularia*)], and one of the species was determined to lack the potential to occur within the project area due to lack of suitable habitat [coast (San Diego) horned lizard (*Phrynosoma coronatum blainvillii*)].

**TABLE 3.4-2
SENSITIVE WILDLIFE SPECIES WITH THE POTENTIAL TO OCCUR IN THE REGION OF
THE PROPOSED PROJECT SITE**

Species	Status	Habitat Requirements	Habitat Assessment
Coast (San Diego) horned lizard (<i>Phrynosoma blainvillii</i>)	CSC	Coastal sage, annual grassland, chaparral, oak woodland, riparian woodland, and coniferous forest	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Burrowing owl (<i>Athene cunicularia</i>)	CSC	Open grasslands, agricultural and range lands, and desert habitats and often associated with burrowing animals, specifically the California ground squirrel; can also inhabit grass, forbs, and shrub stages of Pinyon and ponderosa pine habitats	Not observed on the proposed project study area. Marginally suitable habitat observed, no potential burrows observed.

KEY:

CSC = California Department of Fish and Game Species of Special Concern

As a result of reconnaissance-level surveys conducted at the project site, it was determined that the proposed project site contains marginally suitable habitat for the burrowing owl; however, no burrowing owls or potential burrows for burrowing owl roosting were observed at the proposed project site. It was also determined that the proposed project site does not contain suitable habitat to support the coast (San Diego) horned lizard or golden eagle as roosting sites, vegetation, and food source availability required by the two species was not observed at the proposed project site. The proposed project site is a small area located on an existing road (Avenue J) bridge crossing over Little Rock Creek. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. Therefore, the proposed project would not be expected to result in significant impacts to biological resources related to sensitive species recognized by the CDFW as California special concern species.

Locally Important Species

The proposed project would be expected to result in less than significant impacts to biological resources in relation to locally important species afforded protection pursuant to the California

Native Plant Society or CDFW. Of the locally important species that were identified as having the potential to occur in the region of north-central County of Los Angeles as a result of a query of the CNDDDB (Table 3.4-3, *Locally Important Plant Species with the Potential to Occur in the Region of the Proposed Project Site*), two of the species were determined to have the potential to occur within the project area [Lancaster milk-vetch (*Astragalus preussii* var. *laxiflorus*) and alkali mariposa lily (*Calochortus striatus*)], and five of the species were determined to lack the potential to occur within the project area due to lack of suitable habitat [pale-yellow layia (*Layia heterotricha*), sagebrush loeflingia (*Loeflingia squarrosa* var. *artemisiarum*), brown fox sedge (*Carex vulpinoidea*), white pygmy-poppy (*Canbya candida*), and Parry's spineflower (*Chorizanthe parryi* var. *parryi*)].

**TABLE 3.4-3
LOCALLY IMPORTANT PLANT SPECIES WITH THE POTENTIAL TO OCCUR IN THE
REGION OF THE PROPOSED PROJECT SITE**

Species	Status	Habitat Requirements	Habitat Assessment
Plants			
Pale-yellow layia (<i>Layia heterotricha</i>)	CNPS 1B	Cismontane woodland, Pinyon-juniper woodland, valley-foothill grassland; occurs between 984 and 5,740 feet (300 and 1,750 meters) above MSL; annual herb in the Asteraceae family that blooms from March to June	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Sagebrush loeflingia (<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>)	CNPS 2.2	Desert dunes, Great Basin scrub, and Sonoran Desert scrub; occurs between 2,300 and 5,300 feet (700 to 1,615 meters) above MSL; annual herb in the Caryophyllaceae family that blooms from April to May	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Brown fox sedge (<i>Carex vulpinoidea</i>)	CNPS 2.2	Marshes and swamps, riparian woodland; occurs between 80 and 4,000 feet (25 and 1,200 meters) above MSL; annual herb in the Cyperaceae family that blooms from May to June	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Lancaster milk-vetch (<i>Astragalus preussii</i> var. <i>laxiflorus</i>)	CNPS 1B	Chenopod scrub; occurs between 0 and 2,296 feet (0 and 700 meters) above MSL; perennial herb in the Fabaceae family that blooms from March to May	Suitable habitat observed on the project study area. Species not observed.
Alkali mariposa lily (<i>Calochortus striatus</i>)	CNPS 1B	Moist alkali seeps or seasonally wet places in chaparral, chenopod scrub; occurs between 230 and 5,215 feet (70 and 1,590 meters) above MSL; bulbiferous herb in the Liliaceae family that blooms from April to June	Suitable habitat observed on the project study area. Species not observed.

**TABLE 3.4-3
LOCALLY IMPORTANT PLANT SPECIES WITH THE POTENTIAL TO OCCUR IN THE
REGION OF THE PROPOSED PROJECT SITE, *Continued***

Species	Status	Habitat Requirements	Habitat Assessment
White pygmy-poppy (<i>Canbya candida</i>)	CNPS 4.2	Joshua tree woodland, Mojavean desert scrub, Pinyon-juniper woodland; occurs between 1,968 and 4,788 feet (600 and 1,460 meters) above MSL; annual herb in the <i>Papaveraceae</i> family that blooms from March to June	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.
Parry's spineflower (<i>Chorizanthe parryi</i> var. <i>parryi</i>)	CNPS 1B	Sandy or rocky soils in openings in chaparral and coastal scrub; occurs between 900 and 4,000 feet (275 and 1,220 meters) above MSL; annual herb in the <i>Polygonaceae</i> family that blooms from April to June	Not observed on the proposed project study area. No suitable habitat occurs within the proposed project site.

KEY:

MSL = mean sea level

CNPS = California Native Plant Society

List 1B = Listed as rare, threatened, or endangered in California and elsewhere

List 2 = Rare, threatened, or endangered in California, but more common elsewhere

List 4 = Limited distribution (Watch List)

0.2 = fairly endangered in California

As a result of reconnaissance-level surveys conducted at the project site and a review of the habitat requirements of the sensitive plant sensitive species, it was determined that the proposed project site contains marginable suitable for two species: Lancaster milk-vetch and alkali mariposa lily. Neither Lancaster milk-vetch nor alkali mariposa lily was observed at the proposed project site as a result of surveys. Only one known, documented occurrence of Lancaster milk-vetch has been recorded in recent years; this occurrence was on Edwards Air Force Base,⁵ approximately 6.5 miles to the north of the proposed project site. It was also determined that the proposed project site does not contain suitable habitat to support the remaining five species and none were observed at the proposed project site as a result of surveys. Therefore, the proposed project would not be expected to result in significant impacts to biological resources related to locally important species. No further analysis is warranted.

- (b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or the U. S. Fish and Wildlife Service?

The proposed project would be expected to result in less than significant impacts to riparian habitat or other sensitive natural communities. The proposed project site is a small area located on an existing road (Avenue J) bridge crossing over Little Rock Creek. As a result of the site visit on July 14, 2010, and a review of the USGS 7.5-minute series, Lancaster East, topographic quadrangle⁶ in which the proposed project site is located, it was determined that a blue-line drainage, Little Rock

⁵ California Department of Fish and Game. 2010. *Rarefind 3: A Database Application for the Use of the California Department of Fish and Game Natural Diversity Data Base*. Sacramento, CA

⁶ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

Creek, is present within and adjacent to the proposed project site but does not support riparian habitat or sensitive natural communities. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. Within the defined bed and bank of Little Rock Creek, the vegetation was described as degraded Mojave Desert wash scrub⁷ and characterized by Russian thistle (*Salsola kali*), desert twinbugs (*Dicoria canescens*), tumble mustard (*Sisymbrium altissimum*), cattle saltbush (*Atriplex polycarpa*), sandpaper plant (*Petalonyx thurberi*), arundo (*Arundo donax*), squirreltail grass (*Elymus elymoides*), and vinegar weed (*Trichostema lanceolatum*). Further, the proposed project is designed so that implementation would have minimal impact on vegetation within the wash, and no riparian habitat or sensitive natural communities are present at the proposed project site. Therefore, the proposed project would not be expected to result in significant impacts to riparian habitat or other sensitive natural communities. No further analysis is warranted.

- (c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) Through direct removal, filling, hydrological interruption, or other means?

The proposed project would not be expected to result in impacts to biological resources in relation to federally protected wetlands as defined by Section 404 of the Clean Water Act through direct removal, filling, hydrological interruption, or other means. Based upon the site visit on July 14, 2010, and a review of the National Wetland Inventory Map,⁸ no federally protected wetlands are present within the proposed project. Therefore, there would be no expected impacts to biological resources related to federally protected wetlands as defined by Section 404 of the Clean Water Act. No further analysis is warranted.

- (d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Wildlife Movement/Corridors

The proposed project would be expected to result in less than significant impacts to biological resources in relation to movement of any migratory fish or wildlife species or with an established wildlife corridor. The proposed project site is a small area located on an existing roadway (Avenue J) bridge crossing over Little Rock Creek. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. As a result of the habitat assessment conducted by Sapphos Environmental, Inc. on July 14, 2010, the proposed project site does not support an established wildlife movement corridor. Implementation of the proposed project would also not interfere with the movement of any migratory fish because, although Little Rock Creek may have flowing water during storm events, implementation of the proposed project would take place during times when the creek is dry. Therefore, the proposed project would not be expected to result in significant impacts to biological resources related to

⁷ Holland, Robert F. 1986. *Preliminary Descriptions of the Terrestrial Natural Communities of California*. Sacramento, CA: California Department of Fish and Game.

⁸ U.S. Fish and Wildlife Service, National Wetlands Inventory. Accessed 6 August 2010. Web site. "Wetlands Mapper." Available at: <http://www.fws.gov/wetlands/Data/Mapper.html>

movement of any migratory fish or wildlife species or with an established wildlife corridor. No further analysis is warranted.

Nursery Site

The proposed project would not be expected to result in impacts to biological resources in relation to impeding the use of native wildlife nursery sites. The proposed project site is a small area located on an existing road (Avenue J) bridge crossing over Little Rock Creek. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. As a result of the habitat assessment conducted by Sapphos Environmental, Inc. on July 14, 2010, the proposed project site does not support habitat suitable for use as a native wildlife nursery site. Therefore, there would be no expected impacts to biological resources related to impeding the use of native wildlife nursery sites. No further analysis is warranted.

- (e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

The proposed project would not be expected to result in conflicts with any local policies or ordinances protecting biological resources. Based on a combination of field investigations and a review of the Conservation element of the County of Los Angeles General Plan⁹ and City of Lancaster General Plan,¹⁰ the proposed project does not conflict with any local policies or ordinances protecting biological resources. Therefore, there would be no expected impacts to biological resources related to conflicts with any local policies or ordinances protecting biological resources. No further analysis is warranted.

- (f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

The proposed project would not be expected to result in conflicts with the provisions of any adopted Habitat Conservation Plan or Natural Community Conservation Plans. Based on review of existing and potential Habitat Conservation Plan and Natural Community Conservation Plan boundaries pursuant to USFWS and CDFW, respectively,^{11,12} it was determined that the proposed project site is not within the boundaries of any Habitat Conservation Plan or Natural Community Conservation Plan. Therefore, there would be no expected impacts to biological resources related to conflicts with the provisions of any adopted Habitat Conservation Plan or Natural Community Conservation Plans. No further analysis is warranted.

⁹ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹⁰ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. <http://www.cityoflanasterca.org/Index.aspx?page=430>

¹¹ California Department of Fish and Game. Accessed 6 August 2010. Web site. "Natural Community Conservation Planning." Sacramento, CA. Available at: <http://www.dfg.ca.gov/nccp/>

¹² U.S. Fish and Wildlife Service, Carlsbad Fish and Wildlife Office. Accessed 6 August 2010. Web site. "Habitat Conservation Plans." Carlsbad, CA. Available at: <http://www.fws.gov/ventura/endangered/hconservation/HCP.html>

3.5 CULTURAL RESOURCES

This analysis is undertaken to determine if the proposed Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to cultural resources, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines. Cultural resources at the proposed project site were evaluated¹ and existing background research was conducted via record searches, field surveys, consultation, public records, and other repositories. Aerial photographs, general histories, historic images, historic newspapers, and other materials were collected, as available or appropriate. The background research was developed to provide a framework for evaluation that was used to assist in the evaluation of the proposed project area for cultural significance.

State CEQA Guidelines recommend the consideration of four questions when addressing the potential for significant impacts to cultural resources:

Would the proposed project have any of the following effects:

- (a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

The proposed project would not be expected to result in impacts to cultural resources related to a substantial adverse change in the significance of a historical resource. The results of the records search conducted by Sapphos Environmental, Inc. in July 2010 indicated that there are no properties either listed in or eligible for the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR) located on the project area or within 1 mile of the proposed project area.^{2 3}

The proposed project area contains one 1950s era bridge, Bridge No. 53C0616, which was previously evaluated through inclusion in the California Department of Transportation (Caltrans) Statewide Historic Bridge Inventory Update of 2003–2006. The Caltrans Statewide Historic Bridge Inventory Update included all bridges on state highways and local roads that were built before 1960. Individual evaluations were prepared for only a small number (about 700) of the pre-1960 bridges. The remaining bridges were assigned Category 5 (ineligible for NRHP listing) status without being individually surveyed, as these bridges were determined to be typical examples of common bridge types. The State Historic Preservation Officer (SHPO) concurred with this methodology and accepted the results of the Caltrans Statewide Historic Bridge Inventory Update. Constructed in 1952, Bridge No. 53C0616 was assigned Category 5 status in the Caltrans Statewide Historic Bridge Inventory Update and was therefore determined ineligible for NRHP listing by the SHPO as a consensus determination for all Category 5 status bridges.⁴

¹ Sapphos Environmental, Inc. 12 August 2010. Memorandum for the Record No. 2. Pasadena, CA.

² South Central Coastal Information Center, California State University, Fullerton. July 2010. Contact Ms. Stacy St. James, Coordinator, 800 North State College Blvd., Fullerton, CA 92834-6846.

³ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

⁴ Sapphos Environmental, Inc. 23 July 2010. Contact Report Form. Communication with Ms. Janice Calpo, Cultural Studies Office, Caltrans' Environmental Program.

A typical example of a timber beam bridge from the 1950s, Bridge No. 53C0616 does not appear to meet the threshold of significance for the CRHR. The bridge is not associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States or with the lives of persons important to local, California or national history (Criteria 1 and 2 for listing in the CRHR). Bridge No. 53C0616 also does not exhibit the distinctive characteristics of a type, period, region or method of construction or represent the work of a master. Its construction is common and undistinguished, which reflects that timber beam bridges were in many cases constructed from standardized plans developed by public agencies (CRHR Criterion 3).⁵

There are no other properties, in addition to Bridge No. 53C0616, located within the study area. There are no identified historical resources in the project impact area. Bridge No. 53C0616 has been determined ineligible for the NRHP and does not appear to be eligible for the CRHR. The proposed project would not be expected to directly or indirectly affect or destroy a historical resource. Therefore, there would be no expected impacts to cultural resources related to a substantial adverse change in the significance of a historical resource. No further analysis is warranted.

(b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

The proposed project would be expected to result in less than significant impacts to cultural resources related to a substantial adverse change in the significance of an archaeological resource. On July 7, 2010, a records search was conducted by Sapphos Environmental, Inc. (Ms. Laura Carias) at the South Central Coastal Information Center (SCCIC), located at California State University, Fullerton. The U.S. Geological Survey (USGS) 7.5-minute Lancaster East, California, topographic quadrangle⁶ was reviewed for previously recorded archaeological resources within the proposed project area and within the surrounding 1.0-mile radius. Coordination was also undertaken with the Native American Heritage Commission (NAHC) to ascertain the presence of known Native American sacred sites. According to NAHC,⁷ no Native American cultural resources have been recorded in the Sacred Lands File on or within 0.5 mile of the proposed project. Letters requesting information regarding properties of religious and cultural significance have been transmitted to nine Native American contacts recommended by NAHC; to date, no replies have been received. As no letters have been received, no letters have provided data or concern about the development of the site with regard to historic resources.

Portions of two previous archaeological surveys have been conducted within 1.0 mile of the proposed project area resulting in the recordation of one prehistoric archaeological site and one historic archaeological site. No archaeological surveys have been conducted on the proposed project area and therefore no prehistoric or historic archaeological sites have been recorded on the proposed project area. A site visit conducted by Sapphos Environmental, Inc. (Ms. Roberta Thomas)

⁵ Parsons Brinckerhoff and Engineering and Industrial Heritage. October 2005. "A Context For Common Historic Bridge Types." NCHRP Project 25-25, Task 15. Prepared for The National Cooperative Highway Research Program, Transportation Research Council, and National Research Council.

⁶ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

⁷ Singleton, Dave, Native American Heritage Commission, Sacramento, California. 4 August 2010. Letter to Marlise Fratinardo, Sapphos Environmental, Inc., Pasadena, CA.

on July 29, 2010, did not reveal any archaeological materials that meet the CEQA definition of an archaeological resource.

The area of the proposed project consists of a roadway over a wash and is not expected to contain archaeological resources due to the level of disturbance and previous excavation and fill that has already occurred in association with the construction of Bridge No. 53C0616 and Avenue J. The area has a low sensitivity for archaeological resources and it is unlikely that such resources are present. Construction activities associated with the proposed project would be limited to the proposed project area and would occur primarily within the right-of-way (ROW) of the existing roadway, where extensive excavation and fill has occurred in the past. Therefore, the proposed project is unlikely to have a significant negative impact to native soils.⁸ The proposed project would not be expected to result in significant impacts to cultural resources related to a substantial adverse change in the significance of an archeological resource. No further analysis is warranted.

- (c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The proposed project would be expected to result in less than significant impacts to cultural resources related to the direct or indirect destruction of a unique paleontological resource or unique geologic feature; the project is not expected to include excavations that would impact large areas or large quantities of previously undisturbed underlying geologic units. A paleontological records search⁹ revealed no known vertebrate fossil localities recorded within the proposed project area.

The geology of the proposed project area is composed of surficial deposits of younger Quaternary Alluvium. The younger Quaternary Alluvium deposits do not usually contain significant fossil vertebrates at least in the uppermost layers; however, deeper excavations that extend into older Quaternary Alluvium deposits may uncover significant fossil vertebrate remains. The closest known fossil localities, identified as LACM 5942-5943, were recovered during pipeline excavations located some miles to the southeast to the east-southeast of the proposed project area from Quaternary Alluvium and older Quaternary sediments. These localities produced a fauna of small vertebrates, including gopher snake (*Pituophis*), kingsnake (*Lampropeltis*), leopard lizard (*Gambelia wislizenii*), cottontail rabbit (*Sylvilagus*), pocket mouse (*Chaetodipus*), kangaroo rat (*Dipodomys*), and pocket gopher (*Thomomys*). The proposed project area is substantially disturbed and would excavate only a limited area and small volume of soil (1,400 cubic yards). The maximum excavation depth for bank protection against scour would be 9.3 feet below the invert. Excavation for the pile foundation (drill holes) would be a maximum of 60 feet, which would occur in a limited area needed for bridge support. Surface grading or shallow excavations in the proposed project area are unlikely to encounter significant vertebrate fossils in the younger Quaternary Alluvium, and deeper excavations would disturb only small areas and small quantities of previously undisturbed underlying geologic units. The proposed project is anticipated to result in less than significant impacts with regard to the potential to directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

⁸ Sapphos Environmental, Inc. 12 August 2010. Memorandum for the Record No. 2. Pasadena, CA.

⁹ McLeod, Samuel A., Vertebrate Paleontology Section, Natural History Museum of Los Angeles County, Los Angeles, California. 16 August 2010. Letter to Marlise Fratinardo, Sapphos Environmental, Inc., Pasadena, CA. Subject: Vertebrate Paleontological Resources for the Proposed Avenue J over Littlerock Creek Bridge Replacement Project, in the Community of Littlerock, Los Angeles County.

(d) Disturb any human remains, including those interred outside of formal cemeteries?

The proposed project would not be expected to directly or indirectly disturb human remains, including those interred outside of formal cemeteries. The immediate area has been substantially disturbed due to repeated grading and cultivation activities. The results of the archaeological record search, review of historic maps,¹⁰ and the Native American Heritage Commission Sacred Lands File search,¹¹ indicate that no historic period or known Native American burial grounds are located within the area of the proposed project.¹² While there are no known burial sites within the proposed project site, and only a small area and volume of dirt would be excavated (1,400 cubic yards), the potential disruption of human remains from an unanticipated discovery during ground-disturbing activities is unlikely; however, compliance with Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code, Section 5097.98 of the Public Resources Code, and Section 5097.99 of the Public Resources Code, the project description incorporates project features and best management practices, which would ensure that impacts would remain less than significant.

¹⁰ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

¹¹ Singleton, Dave, Native American Heritage Commission, Sacramento, California. 4 August 2010. Letter to Marlise Fratinardo, Sapphos Environmental, Inc., Pasadena, CA.

¹² The NAHC has provided a list of nine Native American culturally affiliated tribes and individuals for consultation. There have been no replies received from these individuals as of August 12, 2010.

3.6 GEOLOGY AND SOILS

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to geology and soils, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Geology and soils at the proposed project site were evaluated with regard to the City of Lancaster General Plan Master Environmental Assessment,² County of Los Angeles General Plan,³ U.S. Geological Survey (USGS) 7.5-minute series Lancaster East topographic quadrangle in which the proposed project site is located, California Geological Survey,⁴ most recent Alquist-Priolo Earthquake Fault Zoning (APEFZ) Maps,⁵ and the proposed project Geotechnical Investigation prepared by the County of Los Angeles Department of Public Works.⁶

The State CEQA Guidelines recommend the consideration of seven questions when addressing the potential for significant impact to geology and soils any of the following:

Would the proposed project have any of the following effects:

- (a) Exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning (APEFZ) Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?

The proposed project would be expected to result in less than significant impacts from exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault. There are no known surface faults within the proposed project site, and the proposed project location does not lie with an APEFZ.⁷ The proposed project is located approximately 10 miles north of the northwest to southeast trending San Andreas Fault, and 20 miles east of the Garlock Fault that trends northeast to southwest. Movement along the San Andreas Fault may cause up to an 8.0 magnitude earthquake at an estimated recurrence interval of 50 to 300 years with an average of 160 years between occurrences.⁸ Conformance of the proposed project with applicable requirements outlined in the

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² City of Lancaster. April 2009. *Lancaster General Plan 2030 Master Environmental Assessment*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=427>

³ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

⁴ California Geological Survey. Web site. Available at: <http://www.consrv.ca.gov/cgs>

⁵ California Geological Survey. Web site. Available at: <http://www.consrv.ca.gov/cgs>

⁶ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

⁷ California Department of Conservation. Alquist-Priolo Earthquake Fault Zoning Maps. Available at: http://www.conservation.ca.gov/cgs/rghm/ap/map_index/Pages/index.aspx

⁸ City of Lancaster. April 2009. *Lancaster General Plan 2030 Master Environmental Assessment*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=427>

Geotechnical Investigation Report⁹ completed for the proposed project would reduce impacts related to the rupture of a surface fault to acceptable levels under currently accepted engineering practices and State and County building codes. Therefore, the proposed project would not be expected to result in significant impacts from exposing people or structures to potential substantial adverse effects involving rupture of a known earthquake fault. No further analysis is warranted.

ii) Strong seismic ground shaking?

The proposed project would be expected to result in less than significant impacts from exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking. As noted earlier, the proposed project is located approximately 10 miles from the San Andreas Fault, but is not located within an APEFZ.¹⁰ Conforming to applicable requirements set forth in the Geotechnical Investigation¹¹ would reduce impacts from strong seismic ground shaking to acceptable levels under currently accepted engineering practices and State and County building codes. Therefore, the proposed project would not be expected to result in significant impacts from exposing people or structures to potential substantial adverse effects involving related to strong seismic ground shaking. No further analysis is warranted.

iii) Seismic-related ground failure, including liquefaction?

The proposed project would be expected to result in less than significant impacts from exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction. The Geotechnical Investigation concluded that the potential for liquefaction at the site is low because the depth to groundwater is estimated to be greater than 200 feet below ground surface.¹² According to the California Geological Survey,¹³ the Little Rock Creek Bridge site is an area susceptible to landslides due to the presence of stream banks. The Geotechnical Investigation indicated that the granular soils at the bridge location could be susceptible to caving.¹⁴ The Geotechnical Investigation includes a requirement for the preliminary and final design plans to be submitted to the County Department of Public Works Geotechnical Engineering and Materials Division for review and approval. Furthermore, the Geotechnical Investigation indicates that geophysical observations should be made by County Geotechnical Engineering and Materials personnel during construction, such that anticipated conditions can be confirmed and that appropriate recommendations be made where deviations are noted.¹⁵ Conforming to these requirements would reduce potential impacts from strong seismic ground shaking to acceptable levels under currently accepted engineering

⁹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

¹⁰ California Department of Conservation. Alquist-Priolo Earthquake Fault Zoning Maps. Available at: http://www.conservation.ca.gov/cgs/rghm/ap/map_index/Pages/index.aspx

¹¹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

¹² County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

¹³ California Geological Survey. 11 February 2005. Seismic Hazards Zonation Program, Seismic Hazard Zone Map, East Lancaster. Available at: http://gmw.consrv.ca.gov/shmp/download/pdf/ozn_lance.pdf

¹⁴ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

¹⁵ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

practices and State and County building codes. Therefore, the proposed project would not be expected to result in significant impacts from exposing people or structures to potential substantial adverse effects involving seismic-related ground failure, including liquefaction. No further analysis is warranted.

iv) Landslides?

The proposed project would be expected to result in less than significant impacts from exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides. Although the California Geological Survey Seismic Hazards Zone Map of the Lancaster East topographic quadrangle¹⁶ indicates that the Little Rock Creek Bridge site is an area susceptible to landslides due to the presence of stream banks, conformance to the recommendations set forth in the Geotechnical Investigation¹⁷ would reduce these risks to an acceptable level. Therefore, the proposed project would not be expected to result in significant impacts from exposing people or structures to potential substantial adverse effects involving landslides. No further analysis is warranted.

(b) Substantial soil erosion or the loss of topsoil?

The proposed project would be expected to result in less than significant impacts to geology and soils in relation to substantial soil erosion or the loss of topsoil. Prior to bridge construction, existing topsoil, fill, as well as pavement, wood, metal, and other debris, would be removed from the proposed construction site. Only approved, engineered fills that meet the Standard Specifications for Public Works Construction¹⁸ would be used for the proposed project. The construction contractor would be required to conform to all grading and earthwork requirements set forth in Appendix E of the Geotechnical Investigation.¹⁹ Proposed project compliance with these requirements and other applicable requirements, including the County of Los Angeles Department of Public Works *Construction Site Best Management Practices Manual*²⁰ would reduce potential impacts to an acceptable level. Therefore, the proposed project would not be expected to result in significant impacts to geology and soils related to substantial soil erosion or the loss of topsoil. No further analysis is warranted.

¹⁶ California Geological Survey. 11 February 2005. Seismic Hazards Zonation Program, Seismic Hazard Zone Map, East Lancaster. Available at: http://gmw.consrv.ca.gov/shmp/download/pdf/ozn_lance.pdf

¹⁷ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁸ BNi Building News. 2006. *Standard Specifications for Public Works Construction*, 2006 Edition.

¹⁹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

²⁰ County of Los Angeles Department of Public Works. September 2007. *Construction Site Best Management Practices Manual*. Los Angeles, CA.

- (c) Location on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

The proposed project would be expected to result in less than significant impacts to geology and soils in relation to location on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. As noted earlier, the Geotechnical Investigation concluded that the potential for liquefaction at the site is low, because the depth to groundwater is estimated to be greater than 200 feet below ground surface.²¹ However, according to the California Geological Survey,²² the Little Rock Creek Bridge site is an area susceptible to landslides due to the presence of stream banks. The Geotechnical Investigation indicated that the granular soils at the bridge location could be susceptible to caving.²³ The Geotechnical Investigation requires preliminary and final design plans to be submitted to the Geotechnical Engineering and Materials Division for review and approval, and furthermore indicates that geophysical observations should be made by County Department of Public Works Geotechnical Engineering and Materials personnel during construction, such that anticipated conditions can be confirmed and that appropriate recommendations be made where deviations are noted.²⁴ Conforming to these requirements would reduce potential impacts from unstable soils to acceptable levels under currently accepted engineering practices and State and County building codes. Therefore, the proposed project would not be expected to result in significant impacts to geology and soils related to location on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. No further analysis is warranted.

- (d) Location on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

The proposed project would not be expected to result in impacts to geology and soils in relation to location on expansive soil creating substantial risks to life or property. The results of the test borings conducted as part of the geotechnical investigation at the proposed project site indicate that expansive soils are not present.²⁵ The proposed project area is in the Mojave Desert region and is defined by the Hesperia-Rosamond-Cajon Association, which are deep, moderately well-drained to excessively drained soils that have low shrink-swell potential.²⁶ Therefore, there would be no expected impacts to geology and soils related to location on expansive soil creating substantial risks to life or property. No further analysis is warranted.

²¹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

²² California Geological Survey. 11 February 2005. Seismic Hazards Zonation Program, Seismic Hazard Zone Map, East Lancaster. Available at: http://gmw.consrv.ca.gov/shmp/download/pdf/ozn_lance.pdf

²³ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

²⁴ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

²⁵ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

²⁶ City of Lancaster. April 2009. *Lancaster General Plan 2030 Master Environmental Assessment*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=427>

- (e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?

The proposed project would not be expected to result in impacts to geology and soils in relation to being located on soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater. The proposed project entails a bridge replacement and there are no planned facilities that require a wastewater disposal system. Therefore, the proposed project would not be expected to result in impacts to geology and soils related to the adequate use of septic tanks or alternative wastewater disposal systems. No further analysis is warranted.

3.7 GREENHOUSE GAS EMISSIONS

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have significant environmental impacts due to greenhouse gas (GHG) emissions that would require the consideration of mitigation measures or alternatives in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ The proposed project is located in the Antelope Valley Air Quality Management District (AVAQMD) portion of the Mojave Desert Air Basin (MDAB). The AVAQMD has not adopted significance thresholds for the evaluation of GHG emissions under CEQA. GHG emissions generated by the proposed project were evaluated based on guidance provided by regulatory publications from the California Air Pollution Control Officers Association;² the State Office of the Attorney General;³ California Air Resources Board (CARB);⁴ and the Governor's Office of Planning and Research (OPR).⁵ According to the California Global Warming Solutions Act of 2006 [Assembly Bill (AB) 32], GHG emissions are defined as emissions of the following gases: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. The U.S. Environmental Protection Agency (EPA) has reported that the majority of GHG emissions in the United States can be attributed to the energy sector, which accounted for 86.3 percent of total U.S. GHG emissions in 2007 due to stationary and mobile fuel combustion.⁶ The industrial sector accounted for 4.9 percent of U.S. GHG emissions in 2007.⁷

The State CEQA Guidelines recommend the consideration of two questions when addressing the potential for significant impacts to GHG emissions.

Would the proposed project:

- (a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Impacts to greenhouse gas emissions related to whether the proposed project generates GHG emissions, either directly or indirectly, that may have a significant impact on the environment would be expected to be below the level of significance.

The primary contributors of GHG emissions for the proposed project would include the use of construction equipment and automobiles for the construction workers' daily commute trips. However, given the relatively small area that would be scheduled for construction activities

¹ California Code of Regulations. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² California Air Pollution Control Officers Association. January 2008. *CEQA and Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. Sacramento, CA.

³ California Department of Justice, Office of the Attorney General. 21 May 2008 (Updated 26 September 2008). *The California Environmental Quality Act Addressing Global Warming Impacts at the Local Agency Level*. Sacramento, CA.

⁴ California Air Resources Board. 24 October 2008. *Preliminary Draft Staff Proposal: Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act*. Available at: http://www.opr.ca.gov/ceqa/pdfs/Prelim_Draft_Staff_Proposal_10-24-08.pdf

⁵ California Governor's Office of Planning and Research Technical Advisory. 19 June 2008. *CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review*. Sacramento, CA.

⁶ U.S. Environmental Protection Agency. April 2009. *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2007*. Washington, DC.

⁷ U.S. Environmental Protection Agency. April 2009. *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2007*. Washington, DC.

(200 feet on each side of the bridge) and the relatively short (5.5-month) duration of construction activities for the proposed project, emissions of GHGs associated with construction of the proposed project would be expected to be below the level of significance. The use of construction equipment would occur only in the short-term and the proposed project would implement best management practices (BMPs) during construction (such as shutting off equipment when not in use and limiting idling time in accordance with State law) that would further reduce this potential impact.

There are currently no established thresholds of significance for evaluating GHG emissions under CEQA in the County or the AVAQMD. No federal or State agency (e.g., U.S. EPA, CARB, or AVAQMD) responsible for managing air quality emissions in the County has adopted a GHG emission significance threshold for use in assessing impacts of proposed projects.

The California Air Pollution Controls Officers Association (CAPCOA) has considered several approaches to consider potential cumulative significance of projects with respect to GHGs.⁸ GHG impacts are exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. A zero threshold approach can be considered based on the concept that climate change is a global phenomenon and all GHG emissions generated throughout the Earth contribute to climate change. However, the State CEQA Guidelines also recognize that there may be a point where a project's contribution, although above zero, would not be a considerable contribution to the cumulative impact (CEQA Guidelines, Section 15130 (a)). Therefore, a threshold of greater than zero is considered more appropriate for the analysis of GHG emissions under CEQA. CAPCOA's summary of suggested thresholds for GHG emissions includes efficiency-based thresholds, quantitative emission limits, and limits on the size of projects (Table 3.7-1, CAPCOA-Suggested Thresholds for Greenhouse Gases).

**TABLE 3.7-1
CAPCOA-SUGGESTED THRESHOLDS FOR GREENHOUSE GASES**

	CAPCOA Suggested Threshold
Quantitative (900 metric tons)	~ 900 metric tons CO _{2e} /year for residential, office, and non-office commercial projects
Quantitative CARB Reporting Threshold/Cap and Trade	Report: 25,000 metric tons CO _{2e} /year Cap and Trade: 10,000 metric tons CO _{2e} /year
Quantitative Regulated Inventory Capture	~ 40,000 - 50,000 metric tons CO _{2e} /year
Unit-Based Threshold Based on Market Capture	Commercial space > 50,000 square feet
Projects of Statewide, Regional or Areawide Significance	Residential development > 500 units Shopping center/business establishment > 500,000 square feet Commercial office space > 250,000 square feet Industrial park > 600,000 square feet

SOURCE: California Air Pollution Control Office Association. January 2008. *CEQA and Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. Sacramento, CA.

⁸ California Air Pollution Control Office Association. January 2008. *CEQA and Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. Sacramento, CA.

The proposed project was considered in relation to the CAPCOA's recommended quantitative threshold of ~900 metric tons per year, as that is the most conservative non-zero threshold that CAPCOA considered.

Based on the construction scenario described in Section 1.0, *Project Description*, the proposed project's daily construction emissions were estimated by using the URBEMIS 2007 emissions model (Table 3.7-2, *Estimated Daily Construction Emissions*, and Appendix A, *URBEMIS Output for the Proposed Project*). The daily construction emissions associated with the proposed project's construction activities would be expected to be a maximum of 2,592.80 pounds per day, which is equivalent to a total of 97.25 metric tons for the entire duration of construction. Emissions of 97.25 metric tons over a 5.5-month period would be expected to be less than significant in comparison to a suggested quantitative threshold of 900 metric tons per year.

**TABLE 3.7-2
ESTIMATED DAILY CONSTRUCTION EMISSIONS**

Construction Phase	Construction Emissions	
Demolition	1,402.82 pounds/day	0.64 metric tons/day
Mass Site Grading	2,592.80 pounds/day	1.19 metric tons/day
Fine Site Grading	2,371.66 pounds/day	1.08 metric tons/day
Trenching	1,838.98 pounds/day	0.83 metric tons/day
Building Construction	1,079.42 pounds/day	0.49 metric tons/day
Paving	1,212.05 pounds/day	0.55 metric tons/day
Maximum Total (based on 120 days of construction)	214,395.50 pounds	97.25 metric tons

SOURCE: Sapphos Environmental, Inc. 18 April 2011. URBEMIS 2007 Model Output. Pasadena, CA.

During the operational phase of the proposed project, there would be no expected increase in electricity consumption or vehicle miles traveled in comparison to existing conditions. Therefore, there would be no expected increase in GHG emissions associated with operation of the proposed project. Since the proposed project would not generate a significant number of vehicle miles traveled beyond the existing conditions and would not promote employment or population growth, the proposed project would be expected to cause a less-than-significant cumulative GHG emission impact, when considered on a regional scale. The proposed project entails replacing an out-of-date bridge with an upgraded new bridge, and would not be inconsistent with the policies, plans, and regulations for air quality set forth by the County and incorporated cities. Any related projects in the unincorporated territory of the County must also comply with the County's GHG emission regulations. Cumulative GHG emissions due to construction and operation of the proposed project would be considered to be below the level of significance. Therefore, the proposed project would not be expected to result in significant impacts related due to direct or indirect generation of GHG emissions. No further analysis is warranted.

- (b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Impacts to GHG emissions related to whether the proposed project would conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions would be expected to be below the level of significance.

The County Board of Supervisors adopted a Countywide energy and environmental policy (Policy No. 3.045)⁹ to provide guidelines for development, implementation, and enhancement of energy conservation and environmental programs within the County. AB 32 established the goal of reducing GHG emissions in California to the year 1990 levels by 2020. The proposed project's incremental impact on GHG emissions would be considered to conflict with the goals of AB 32 and Policy No. 3.045 if the size, nature, or duration of the construction phase would generate a substantial amount of GHG emissions. It is anticipated that the proposed project would take approximately 5.5 months to complete and would cover an area of up to 200 feet on each side of the bridge. During construction, heavy-duty construction equipment would be operated. The construction duration, the relatively small area under construction, and the nature of the construction activities would be expected to generate GHG emissions (Table 3.7-2), but these emissions would be temporary and would not be considered to be significant on a regional scale. Therefore, construction activities would not conflict with AB 32 or Policy No. 3.045.

During the operational phase of the proposed project, there would be no expected significant increases in GHG emissions. Operation of the proposed project would not be expected to increase electricity use or vehicle miles traveled in comparison to existing conditions. Operation of the proposed project would not have the potential to result in impacts to GHG emissions with respect to the issue of potential conflict with the State's goal of reducing GHG emissions in California to 1990 levels by 2020. Therefore, the proposed project would not be expected to result in significant impacts to GHG emissions related to creating a conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. No further analysis is warranted.

⁹ County of Los Angeles Board of Supervisors Policy Manual. 19 December 2006. *Policy No. 3.045, Energy and Environmental Policy*. Available at: <http://countypolicy.co.la.ca.us/>

3.8 HAZARDS AND HAZARDOUS MATERIALS

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to hazards and hazardous materials, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹

Hazardous wastes are by-products of society that can pose a substantial or potential hazard to human health or the environment when improperly managed. Hazardous wastes possesses at least one of four characteristics (ignitability, corrosivity, reactivity, or toxicity), or appears on special Environmental Protection Agency (EPA) lists.²

Hazards and hazardous materials at the proposed project site were evaluated based on expert opinion supported by facts, review of accessible on-line environmental databases,^{3,4} analysis of existing bridge materials^{5,6} (Appendix B, *Sampling and Laboratory Results*), a preliminary environmental screening of soils at the proposed project site⁷ (Appendix C, *Preliminary Environmental Site Screening Avenue J Over Little Rock Creek*), and review of the County of Los Angeles General Plan⁸ and the City of Lancaster General Plan 2030.⁹

The State CEQA Guidelines recommend the consideration of eight questions when addressing the potential for significant impact to hazards and hazardous materials:

Would the proposed project have any of the following effects:

- (a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

The proposed project would be expected to result in less than significant impacts from hazards and hazardous materials with respect to creating a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. As stated in Chapter 2, Project Description, prior to construction the existing pavement, vegetation, existing fill soils, and debris would be stripped and disposed of at the appropriate landfill location. The removed material

¹ California Code of Regulations. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² Code of Federal Regulations. Title 40, Chapter 1, Part 261.

³ California Environmental Protection Agency, Department of Toxic Substances Control, Cortese List: Available at: http://www.envirostor.dtsc.ca.gov/public/search.asp?cmd=search&reporttype=CORTESE&site_type=CSITES,ERAP,OPEN,FUDS,CLOSE&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST

⁴ California Emergency Management Agency. "Hazard Material Spills." Available at: <http://www.oes.ca.gov/WebPage/oeswebsite.nsf/Content/2DCF5D6CFF371AA1882575D1007820D1?OpenDocument>

⁵ LA Testing. 29 September 2010. *Test Report: Analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy*. Garden Grove, CA.

⁶ Sierra Analytical. 22 September 2010. *Analysis Results of Timber Samples*. Sierra Analytical. Laguna Hills, CA.

⁷ Kelley, Greg, County of Los Angeles Department of Public Works, Geotechnical and Materials Engineering Division. 20 November 2010. *Preliminary Environmental Site Screening Avenue J Over Little Rock Creek, Unincorporated Lancaster Project ID RDC0014837 (Project No. X2510957)*. Memorandum to Sree Kumar, County of Los Angeles Department of Public Works Design Division.

⁸ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

⁹ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=430>

would not be incorporated into any project components. Once constructed, the proposed project would involve the use of minimal hazardous materials during the construction phase, which may include standard cleaning materials, lubricants, fuels, and oils. The transport, use, and disposal of these materials are regulated by specific government and the proposed project would not entail use of such materials beyond regulated parameters. Therefore, the proposed project would be expected to result in less than significant impacts from hazards and hazardous materials with respect to creating a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. No further analysis is warranted.

- (b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous material?

The impact from hazards and hazardous materials related to the creation of a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous material from the proposed project is expected to be below the level of significance. The proposed bridge replacement project would require construction to occur within the streambed of Little Rock Creek, an intermittent stream designated with a variety of present and potential beneficial uses.¹⁰ Presently, the streambed is completely dry. The proposed project site is not listed on the Cortese "Hazardous Waste and Substances Site List" database,¹¹ nor are there any recorded hazards spills¹² at the existing bridge site. The proposed project is located in a rural area of the County and not in an industrial/urban area with a history of past industrial uses. Therefore, it is unlikely that hazardous materials would be encountered during construction of the proposed project.

As stated above, the proposed project would involve the use of minimal hazardous materials during the construction phase, which may include standard cleaning materials, lubricants, and oils. There are specific government regulations restricting the transport, use, and disposal of these hazardous materials, and the proposed project would not entail use of such materials beyond regulated parameters. Construction of the bridge would require demolition and removal of existing bridge materials, including surrounding soils, in order to construct the replacement bridge. Testing of the current materials conducted by LA Testing services detected no asbestos in the three samples taken (see Appendix B).¹³ Timber samples evaluated by Sierra Analytical indicated that the wood contains wood preservative chemicals (Appendix B). Handling and disposal of all treated wood waste resulting from bridge demolition would comply with Title 22, Division 4.5, Chapter 34 "Alternative Management Standards for Treated Wood Waste" of the California Code of Regulations. Demolition of the bridge would therefore, not result in a significant impact with regard to release of a hazardous material. All aspects of the proposed project would comply with all federal, State, County, and local laws regulating hazardous materials and wastes.^{14,15} Impacts

¹⁰ Regional Water Quality Control Board. Updated December 2005. *Water Quality Control Plan for the Lahontan Region*. Available at: http://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/index.shtml

¹¹ California Environmental Protection Agency, Department of Toxic Substances Control. Cortese List. Available at: http://www.envirostor.dtsc.ca.gov/public/search.asp?cmd=search&reporttype=CORTESE&site_type=CSITES,ERAP,OPEN,FUDS,CLOSE&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST

¹² California Emergency Management Agency. "Hazard Material Spills." Available at: <http://www.oes.ca.gov/WebPage/oeswebsite.nsf/Content/2DCF5D6CFF371AA1882575D1007820D1?OpenDocument>

¹³ LA Testing. 29 September 2010. *Test Report: Analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy*. Garden Grove, CA.

¹⁴ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

¹⁵ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

from hazards and hazardous materials in relation to the creation of a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous material would be below the level of significance. No further analysis is warranted.

- (c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

The proposed project would not be expected to result in impacts from hazards and hazardous materials with respect to the emission of hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school. There are no existing or proposed schools located within 0.25 mile of the proposed project. The closest school to the proposed project is the Lancaster Baptist School located approximately 1.9 miles to the northwest of the project site. Therefore, the proposed project would not be expected to result in impacts from hazards and hazardous materials with respect to the emission of hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. No further analysis is warranted.

- (d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to the Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?

The proposed project would not be expected to result in impacts from hazards and hazardous materials such that the proposed project is located on a site, which is included on a list of hazardous materials sites. As noted above, there are no reported hazardous waste sites or spill incidents at the proposed project site.^{16,17} Therefore, the proposed project would not be expected to result in impacts from hazards and hazardous materials related to location on a hazardous materials site. No further analysis is warranted.

- (e) For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

The proposed project would not be expected to result in impacts from hazards and hazardous materials in relation to the proximity from an airport and the safety hazard for people residing or working in the project area. The proposed project is not located within an airport land use plan or within 2 miles of a public airport or a public use airport. The nearest public airport is the Palmdale Regional Airport located approximately 3.9 miles south-southwest of the proposed project site. The proposed project is a bridge replacement; no hazardous materials would be located at the site following project completion. Therefore, the proposed project would not be expected to result in impacts from hazards and hazardous materials in relation to the proximity from an airport and the safety hazard for people residing or working in the project area. No further analysis is warranted.

¹⁶ California Environmental Protection Agency, Department of Toxic Substances Control. Cortese List. Available at: http://www.envirostor.dtsc.ca.gov/public/search.asp?cmd=search&reporttype=CORTESE&site_type=CSITES,ERAP,OPE,N,FUDS,CLOSE&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST

¹⁷ California Emergency Management Agency. "Hazard Material Spills." Available at: <http://www.oes.ca.gov/WebPage/oeswebsite.nsf/Content/2DCF5D6CFF371AA1882575D1007820D1?OpenDocument>

- (f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

The proposed project would not be expected to result in impacts from hazards and hazardous materials due to the project vicinity within a private airstrip and the potential for safety hazards for people residing or working in the project area. There are no private airstrips within two miles of the proposed project area. The nearest private airstrip is Nichols Farms Airport located approximately 13 miles to the southeast of the proposed project site. Therefore, the proposed project would not be expected to result in impacts from hazards and hazardous materials due to the project vicinity within a private airstrip and the potential for safety hazards for people residing or working in the project area. No further analysis is warranted.

- (g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

The proposed project would be expected to result in less than significant impacts from hazards and hazardous materials from impairing the implementation of or physically interfering with an adopted emergency response plan or emergency evacuation plan. The City of Lancaster contracts with the County of Los Angeles for most emergency services, including the law enforcement services and fire service. The proposed project entails replacement of a bridge, and would be consistent with the Safety element of the County of Los Angeles General Plan.¹⁸ As stated in the project description, a detour route is available to ensure that emergency access is maintained. Therefore, the proposed project would result in less than significant impacts associated with impairing the implementation of or physically interfering with an adopted emergency response plan or emergency evacuation plan. No further analysis is warranted.

- (h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

The proposed project would not be expected to result in significant impacts related to exposing people or structures to a significant risk of loss, injury, or death involving wildland fires. The proposed project is not located in an area characterized as a high hazard area for wildland fires.¹⁹ In addition, the proposed project is a bridge replacement and once constructed, would not involve hazards or the use of hazardous material that would cause a wildfire. The proposed project construction would meet all requirements of County General Plan with regard to the use of small quantities of hazardous materials that may be present during construction of the bridge. Therefore, the proposed project would not be expected to result in impacts from exposure of people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. No further analysis is warranted.

¹⁸ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹⁹ California Department of Forestry and Fire Protection. Los Angeles County Natural Hazard Disclosure (Fire) Map. Available at: <http://www.fire.ca.gov/ab6/nhd19.pdf>

3.9 HYDROLOGY AND WATER QUALITY

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to hydrology and water quality, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Hydrology and water quality at the proposed project site were evaluated with regard to the County of Los Angeles General Plan,² City of Lancaster General Plan,³ State of California Regional Water Quality Control Board Basin Plan for the Lahontan Region,⁴ National Flood Insurance Program Flood Insurance Rate Maps for the County of Los Angeles,⁵ and the U.S. Geological Survey (USGS) 7.5-minute series Lancaster East topographic quadrangle for the proposed project area.⁶

The State CEQA Guidelines recommend the consideration of 10 questions when addressing the potential for significant impacts to hydrology and water quality:

Would the proposed project have any of the following effects:

- (a) Violate any water quality standards or waste discharge requirements?

The proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to violating any water quality standards or waste discharge requirements. The proposed project would span Little Rock Creek, an intermittent drainage currently spanned by the existing 68-foot-long and 26-foot-wide bridge. The Regional Water Quality Control Board Lahontan Basin Plan lists present and potential beneficial uses for Little Rock Creek including municipal or domestic water supply, ground water recharge, contact and non-contact recreation, commercial and sport fishing, and cold water habitat and wildlife habitat. The construction of the replacement bridge could contribute to erosion, sediment-laden runoff, discharge of storm water runoff from the proposed project work area and other water quality-related events that would violate water quality standards or waste discharge requirements. The proposed project contractor would implement best management practices (BMPs)⁷ that meet the requirements of responsible agencies to reduce or eliminate discharges to Little Rock Creek, which would include conducting bridge construction during the dry season when there is no stream flow. The contractor for the proposed project would be required to meet all permitted discharge requirements from responsible agencies. The proposed bridge would be designed to avoid and minimize the potential for post-construction erosion of the drainage features of Little Rock Creek in accordance with the recommendations in the proposed projects' Geotechnical Investigation⁸ completed by the County

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁴ Regional Water Quality Control Board. Updated December 2005. *Water Quality Control Plan for the Lahontan Region*. Available at: http://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/index.shtml

⁵ Federal Emergency Management Agency. Flood Maps. Available at: <http://www.fema.gov/hazard/map/index.shtm>

⁶ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

⁷ California Department of Transportation. March 2003. *Construction Site Best Management Practices Manual*. Available at: http://www.dot.ca.gov/hq/construc/stormwater/CSBMPM_303_Final.pdf

⁸ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

of Los Angeles Department of Public Works.⁹ The County of Los Angeles Department of Public Works is currently preparing the notification of Lake or Streambed Alteration and Waste Discharge Requirements Application Form for the proposed project. Therefore, the proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to violating any water quality standards or waste discharge requirements. No further analysis is warranted.

- (b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?

The proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to groundwater supplies or groundwater recharge. Little Rock Creek is a groundwater recharge area;¹⁰ however, the proposed replacement bridge span would not contribute a significantly larger impervious area that would have a noticeable effect on the recharge to groundwater at the proposed project site. Test borings conducted during the Geotechnical Investigation did not encounter groundwater at 66.5 feet below ground surface and there are reports of historical groundwater levels greater than 200 feet below the ground surface.¹¹ Therefore, the proposed project would not be expected to result in significant impacts to hydrology and water quality in relation to groundwater supplies or groundwater recharge. No further analysis is warranted.

- (c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on or off site?

The proposed project would be expected to result in less than significant impacts in relation to alteration of the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on or off site. Construction of the proposed project would require various ground-disturbing activities to be carried out within the streambed and banks for Little Rock Creek. It is anticipated that the proposed project would require approximately 1,400 cubic yards (cy) of excavation, 1,200 cy of export, and 450 cy of imported material for rip-rap.¹² Improperly stabilized and restored banks could potentially cause future drainage problems that could lead to erosion and siltation in Little Rock Creek. The maximum excavation depth for bank protection against scour would be 9.3 feet below the invert. Excavation for the pile foundation (drill holes) would be approximately 60 feet. The Geotechnical Investigation requires preliminary and final design plans to be submitted to the County Department of Public Works Geotechnical Engineering and Materials Division for review and approval to ensure that the contractor for the bridge construction would meet all technical

⁹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁰ Regional Water Quality Control Board. Updated December 2005. *Water Quality Control Plan for the Lahontan Region*. Available at: http://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/index.shtml

¹¹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹² Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.

design standards that when implemented would minimize the potential for substantial erosion or siltation on or off site, consistent with currently accepted and County-approved engineering practices.¹³ As the proposed project would not exceed a land disturbance of more than one acre, CWA Section 402(p) stormwater permits, including a National Pollutant Discharge Elimination System (NPDES) General Construction Stormwater Permit or an individual stormwater permit, are not needed for the proposed project. Additionally, the proposed project would adhere to the construction site BMP manual. As such, the proposed project would not be expected to result in impacts to hydrology and water quality in relation to the alteration of existing drainage patterns in a manner that would result in substantial erosion or siltation on or off site. No further analysis is warranted.

- (d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site?

The proposed project would be expected to result in less than significant impacts in relation to alteration of existing drainage patterns in a manner that would result in flooding on site or off site. As mentioned previously, the proposed project would require construction of the proposed project would require various ground-disturbing activities to be carried out within the streambed and banks for Little Rock Creek. It is anticipated that the proposed project would require approximately 1,400 cy of excavation, 1,200 cy of export, and 450 cy of imported material for rip-rap.¹⁴ The maximum excavation depth for bank protection against scour would be 9.3 feet below the invert. Excavation for the pile foundation (drill holes) would be approximately 60 feet.

Improperly stabilized and restored banks could potentially lead to drainage problems that could lead to future flooding problems in Little Rock Creek. Implementation of the recommendations for the technical design standards required by the Geotechnical Investigation¹⁵ would ensure that the contractor for the bridge construction meets all appropriate bridge design specifications and BMPs that would minimize the potential impacts from construction to alter the drainage in a manner that would increase the potential for flooding to occur on site and off site. Additionally, the proposed project would adhere to the construction site BMP manual. As such, the proposed project would not be expected to result in impacts to hydrology and water quality related to alteration of existing drainage patterns in a manner that would result in flooding on site or off site. No further analysis is warranted.

- (e) Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or providing substantial additional sources of polluted runoff?

The proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to exceeding the capacity of existing or planned stormwater drainage systems or providing substantial additional sources of polluted runoff. The proposed project would entail the demolition of the existing bridge and the construction of a new bridge of equal capacity. No increase in storm water runoff would occur with operation of the proposed project. All

¹³ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

¹⁵ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963.*

construction would occur in accordance with BMPs¹⁶ that require compliance with federal, State, and County guidelines, which would reduce the potential impacts related to demolition and construction. Therefore, the proposed project would not be expected to result in significant impacts to hydrology and water quality related to exceeding the capacity of existing or planned stormwater drainage systems or providing substantial additional sources of polluted runoff. No further analysis is warranted.

(f) Otherwise substantially degrade water quality?

The proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to substantial degradation of water quality. The construction of the proposed project is scheduled to occur during the dry season when there would be little or no water flow in Little Rock Creek. As noted above, the proposed project would be required to implement BMPs¹⁷ that would minimize the potential construction impacts that would cause degradation of water quality. BMPs would also reduce or eliminate exceedances of any applicable water quality objective in regards to chemical constituents, oil and grease, pH, sediment, temperature, and turbidity." The contractor for the proposed project would be required to meet all permitted discharge requirements from responsible agencies. The proposed project would not cause water diversion and/or dewatering activities. As a result, the proposed project is not subject to discharge and monitoring requirements under NPDES. Therefore, the proposed project would not be expected to result in significant impacts to hydrology and water quality related to substantial degradation of water quality. No further analysis is warranted.

(g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

The proposed project would not be expected to result in impacts to hydrology and water quality in relation to placement of housing within a 100-year flood hazard area. The proposed project entails replacement of a bridge and does not entail construction of housing. Therefore, the proposed project would not be expected to result in impacts to hydrology and water quality related to placement of housing within a 100-year flood hazard area. No further analysis is warranted.

(h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?

The proposed project would be expected to result in less than significant impacts to hydrology and water quality in relation to placement of structures (other than housing) within a 100-year flood hazard area. The proposed project occurs within a 100-year flood zone that exists adjacent and in the streambed of Little Rock Creek.¹⁸ The existing bridge has 2 feet of freeboard for the flow of 500 cubic feet per second (cfs). The flow capacity of the new bridge is limited to the channel capacity of 500 cfs. The proposed project entails demolition of an existing bridge with adequate clearance for stream flow and replacement with a bridge with the same clearance; therefore, potential impacts from placement of structures within a 100-year floodplain would result in no significant impact with regard to flood flows. Therefore, the proposed project would not be expected to result

¹⁶ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁷ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁸ Federal Emergency Management Agency. Flood Maps. Available at: <http://www.fema.gov/hazard/map/index.shtm>

in significant impacts to hydrology and water quality related to placement of structures (other than housing) within a 100-year flood hazard area. No further analysis is warranted.

- (i) Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?

The proposed project would not be expected to result in impacts to hydrology and water quality in relation to the failure of a levee or dam. The proposed project entails replacement of an existing bridge structure and there are no dams or levees in the immediate area of the proposed project site.¹⁹ Therefore, the proposed project would not be expected to result in impacts to hydrology and water quality related to the failure of a levee or dam. No further analysis is warranted.

- (j) Inundation by seiche, tsunami, or mudflow?

The proposed project would not be expected to result in impacts to hydrology and water quality in relation to inundation by seiche, tsunami, or mudflow. The proposed project entails replacement of an existing bridge over an intermittent drainage, Little Rock Creek. The proposed project is not located near a coastline, lake and/or flood control basins, or other bodies of water.²⁰ Therefore, the proposed project would not be expected to result in impacts to hydrology and water quality related to inundation by seiche, tsunami, or mudflow. No further analysis is warranted.

¹⁹ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

²⁰ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

3.10 LAND USE AND PLANNING

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to land use, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Land use and planning adjacent to the proposed project site was evaluated with regard to the County of Los Angeles (County) General Plan,² City of Lancaster General Plan, adopted published maps, and other adopted plans.

State CEQA Guidelines recommend the consideration of three questions when addressing the potential for significant impacts to land use and planning.

Would the proposed project:

- (a) Physically divide an established community?

The proposed project would not result in impacts to land use and planning through the physical division of an established community. The proposed project entails replacement of an out-of-date bridge located in the roadway on East Avenue J. As proposed, the project would replace an existing three-span timber bridge that is approximately 68 feet long by 26 feet wide and carries one lane of traffic in each direction. The new bridge would be approximately 104 feet long by 40 feet wide, with one lane in each direction, including a shoulder on each side (i.e., for each direction of travel). Implementation of the proposed project would not divide an established community, as it only involves replacing a bridge and roadway segment of an existing road. Therefore, the proposed project is not expected to result in impacts to land use and planning resulting in a physical division to the established community. No further analysis is warranted.

- (b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

The proposed project would not be expected to result in significant impacts to land use and planning in relation to a conflict with adopted or proposed land use plans, policies, or regulations. The County of Los Angeles General Plan Land Use element and Zoning Ordinance were reviewed to determine the compatibility of the proposed project with adopted land use plans, policies, and regulations.^{3,4} Land uses that surround the project that are within the County are designated as agricultural and zoned as A-2 (Heavy Agriculture, Including Hog Ranches).^{5,6} According to the City of Lancaster General Plan, land uses that surrounding the project area are classified as non-urban

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

⁴ County of Los Angeles. July 1996. County Code, Title 22, "Planning and Zoning."

⁵ County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. GIS NET

⁶ County of Los Angeles Department of Regional Planning. Accessed 13 August 2010. Zoning Ordinance Summary - Agricultural Zones. Available at:http://planning.lacounty.gov/luz/summary/category/agricultural_zones/

residential (NU) and allow for 0.4 to 2.0 dwelling units per acre (DU/AC).⁷ The proposed project is a bridge replacement project, and would not add or change any land uses. All work would be undertaken within the existing right-of-way (ROW) of East Avenue J. Therefore, the proposed project would not result in impacts to land use and planning related to a conflict with adopted or proposed land use plans, policies, or regulations. No further analysis is warranted.

(c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

The proposed project would not be expected to result in impacts to land use and planning in relation to conflicting with any applicable habitat conservation plan or natural community conservation plan. The proposed project area would not be located in an area proposed or adopted as part of a habitat conservation plan or natural community conservation plan.^{8,9} Based on a combination of field investigations and a review of the Conservation element of the County of Los Angeles¹⁰ and City of Lancaster¹¹ General Plans, the proposed project does not conflict with any local policies or ordinances applicable to habitat or natural community conservation plan. Based on review of existing and potential Habitat Conservation Plan and Natural Community Conservation Plan boundaries pursuant to the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW; formerly known as California Department of Fish and Game [CDFG]), respectively,^{12,13} it was determined that the proposed project site is not within the boundaries of any Habitat Conservation Plan or Natural Community Conservation Plan. There are no anticipated impacts to biological resources related to conflicts with any local policies or ordinances protecting biological resources. Therefore, the proposed project would not be expected to result in impacts to existing land use and planning related to a conflict with any adopted habitat conservation plan or natural community conservation plan. No further analysis is warranted.

⁷ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*, Land Use Map. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=430>

⁸ California Department of Fish and Game. Accessed 7 October 2009. "Natural Community Conservation Planning." Sacramento, CA. Available at: <http://www.dfg.ca.gov/nccp/>

⁹ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹⁰ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

¹¹ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=430>

¹² California Department of Fish and Game. Accessed 6 August 2010. Web site. "Natural Community Conservation Planning." Sacramento, CA. Available at: <http://www.dfg.ca.gov/nccp/>

¹³ United States Fish and Wildlife Service, Carlsbad Fish and Wildlife Office. Accessed 6 August 2010. Web site. "Habitat Conservation Plans." Carlsbad, CA. Available at: <http://www.fws.gov/ventura/endangered/hconservation/HCP.html>

3.11 MINERAL RESOURCES

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to mineral resources, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Mineral resources at the proposed project site were evaluated with regard to California Geological Survey publications and the adopted General Plans for the proposed project site.

The State CEQA Guidelines recommend the consideration of two questions when addressing the potential for significant impact to mineral resources:

Would the project have either of the following effects:

- (a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

The proposed project would not be expected to result in impacts to mineral resources in relation to the loss of availability of a known mineral resource. The proposed project would replace an existing bridge over an intermittent drainage. Based on a review of California Geological Survey publications,^{2,3} the County of Los Angeles General Plan,⁴ and the City of Lancaster 2030 General Plan Master Environmental Assessment,⁵ there are no known mineral resources of State-wide or regional importance located within the proposed project site. Therefore, the proposed project would not be expected to result in impacts to mineral resources related to the loss of availability of a known mineral resource. No further analysis is warranted.

- (b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

The proposed project would not be expected to result in impacts to mineral resources in relation to the loss of availability of a known mineral resource recovery site. Based on a review of California Geological Survey publications,^{6,7} the City of Lancaster 2030 General Plan Master Environmental Assessment,⁸ and the County of Los Angeles General Plan,⁹ there are no known mineral resource recovery sites of local importance located within the proposed project site. Therefore, the proposed

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² California Geological Survey. 1966. *Minerals of California Volume (1866-1966)*. Bulletin 189. Los Angeles, CA.

³ California Geological Survey. Revised 1999. *Mines and Mineral Producers Active in California (1997-1998)*. Special Publication 103. Los Angeles, CA.

⁴ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

⁵ City of Lancaster. April 2009. *Lancaster General Plan 2030 Master Environmental Assessment*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=427>

⁶ California Geological Survey. Revised 1999. *Mines and Mineral Producers Active in California (1988-89)*. Special Publication 103. Los Angeles, CA.

⁷ California Geological Survey. 1966. *Minerals of California Volume (1866-1966)*. Bulletin 189. Los Angeles, CA.

⁸ City of Lancaster. April 2009. *Lancaster General Plan 2030 Master Environmental Assessment*. Available at: <http://www.cityoflancasterca.org/Index.aspx?page=427>

⁹ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

project would not be expected to result in impacts to mineral resources related to the loss of availability of a known locally important mineral resource recovery site. No further analysis is warranted.

3.12 NOISE

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to noise, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Noise at the proposed project site was evaluated with regard to the County of Los Angeles (County) General Plan² and the County Noise Control Ordinance.³

The State CEQA Guidelines recommend the consideration of six questions when addressing the potential for significant impact to noise:

Would the proposed project have any of the following effects:

- (a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

The proposed project would be expected to result in less than significant impacts to noise in relation to exposure or generation of noise levels in excess of established standards. The County Noise Control Ordinance prohibits construction noise construction noise between the weekday hours of 8:00 p.m. and 7:00 a.m., or at any time on Sundays or holidays, such that the sound creates a noise disturbance across a residential or commercial property line, except for emergency work of public service utilities or by a variance issued by the health officer. The County Noise Control Ordinance restricts noise levels from construction activities to a maximum noise level of 75 dBA for mobile equipment and 60 dBA for stationary equipment at potentially affected single-family residences, and 80 dBA for mobile equipment and 65 dBA for stationary equipment at multi-family residential structures.⁴ However, the construction noise levels of the proposed project are exempt from the noise limits of the County Noise Control Ordinance as specified in the County Noise Control Ordinance Part 5 Exemptions, H:⁵

Public Health and Safety Activities. *All transportation, flood control, and utility company maintenance and construction operations at any time on public right-of-way, and those situations which may occur on private real property deemed necessary to serve the best interest of the public and to protect the public's health and well being, including but not limited to street sweeping, debris and limb removal, removal of downed wires, restoring electrical service, repairing traffic signals, unplugging sewers, snow removal, house moving, vacuuming catch basins, removal of damaged poles and vehicles, repair of water hydrants and mains, gas lines, oil lines, sewers, etc. (Italics added for emphasis.)*

¹ California Code of Regulations. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Ordinance 11778, Section 2 (Article 1, Section 101); Ordinance 11773, Section 2 (Article 1, Section 101). Chapter 12.08. Available at: <http://ordlink.com/codes/lacounty/index.htm>

⁴ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Chapter 12.08.440 Construction noise/ Available at <http://search.municode.com/html/16274/index.htm>

⁵ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Ordinance 11778, Section 2 (Article 1, Section 101); Ordinance 11773, Section 2 (Article 1, Section 101). Chapter 12.08. Available at: <http://ordlink.com/codes/lacounty/index.htm>

The proposed project would be anticipated to generate temporary noise during construction of the proposed project. However, the proposed project is located in a rural and agricultural setting that is largely undeveloped and there are no sensitive land used in close proximity to the proposed project property. The nearest residence to the proposed project site is located approximately 1,930 feet to the east of the proposed project site. While the proposed project is exempt from the County Noise Control Ordinance, it is expected that noise generated by the proposed project would be below the construction noise levels allowed by the ordinance. The proposed project would not add any operational noise sources and would not result in increased traffic noise, as it would only involve replacing an existing bridge with a bridge of the same capacity. Traffic on Avenue J would be temporarily detoured to surrounding roadways during the 5.5-month construction period. Traffic would be dispersed along the detour route (north from East Avenue J at 50th Street East to East Avenue I to 70th Street East), as well as along other surrounding roadways as motorists avoid the area of construction. This dispersal would result in minimal increases in trips for any one roadway segment. As it would take a doubling of traffic to result in a perceptible increase in noise (3 dBA), no significant increase in noise levels would be expected from the detour.⁶ Therefore, the proposed project would be expected to result in less than significant impacts to noise in relation to exposure or generation of noise levels in excess of established standards. No further analysis is warranted.

- (b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

The proposed project would be expected to result in less than significant impacts to noise in relation to generation of excessive groundborne vibration or groundborne noise. The County Noise Control Ordinance prohibits the operation of any device that creates vibration above the vibration perception threshold of any individual at or beyond the property boundary of the source if on private property, or at 150 feet (46 meters) from the source if on a public space or public right of way is prohibited. The County Noise Control Ordinance defines the perception threshold as motion velocity of 0.01 in/sec over the range of 1 to 100 Hertz.⁷ While the proposed project is exempt from the County Noise Control Ordinance, the proposed project is not expected to result in any new sources of vibration. Therefore, the proposed project would be expected to result in less than significant impacts to noise in relation to generation of excessive groundborne vibration or groundborne noise. No further analysis is warranted.

- (c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

The proposed project would not be expected to result in impacts to noise in relation to permanent increases in ambient noise levels. The proposed project, which involves replacement of an existing bridge, would not generate any new permanent source of noise. Therefore, the proposed project would not be expected to result in impacts to noise related to permanent increases in ambient noise levels. No further analysis is warranted.

⁶ U.S. Department of Transportation, Federal Highway Administration. September 1980. *Highway Noise Fundamentals*, p. 81. Springfield, VA.

⁷ County of Los Angeles. 1978. *Noise Control Ordinance of the County of Los Angeles*. Ordinance 11778, Section 2 (Article 1, Section 101); Ordinance 11773, Section 2 (Article 1, Section 101). Chapter 12.08. Available at: <http://ordlink.com/codes/lacounty/index.htm>

- (d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity about levels existing without the project?

The proposed project would be expected to result in less than significant impacts to noise in relation to temporary or periodic increases in ambient noise levels. The proposed project would be anticipated to generate temporary noise during construction of the proposed project. However, the temporary or periodic increases in noise would not be considered significant as there are no noise sensitive land uses in close proximity to the proposed project site. Therefore, the proposed project would be expected to result in less than significant impacts to noise in relation to temporary or periodic increases in ambient noise levels. No further analysis is warranted.

- (e) For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

The proposed project would not be expected to result in impacts to noise in relation to public airports. The proposed project is not located within an airport land use plan or within 2 miles of a public airport or a public use airport. The nearest public airport is the Palmdale Regional Airport located approximately 3.9 miles south-southwest of the proposed project site. Therefore, the proposed project would not be expected to result in impacts to noise related to public airports. No further analysis is warranted.

- (f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

The proposed project would not be expected to result in impacts to noise in relation to private airstrips. The proposed project is not located within 2 miles of a private airstrip. The nearest private airstrip is Nichols Farms Airport located approximately 13 miles to the southeast of the proposed project site. Therefore, the proposed project would not be expected to result in impacts to noise related to private airstrips. No further analysis is warranted.

3.13 POPULATION AND HOUSING

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to population and housing that would require the consideration of mitigation measures or alternatives in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹

The State CEQA Guidelines recommend the consideration of three questions when addressing the potential for significant impacts to population and housing:

Would the proposed project have any of the following effects:

- (a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The proposed project would not be expected to result in the creation of new housing or infrastructure that would induce or accelerate population or household growth. The proposed development, given its size, would provide a very small number of temporary employment opportunities during construction. As of November 2010, the unemployment rate for the County of Los Angeles was estimated at approximately 13 percent.² Therefore, these jobs either would be expected to be filled with the workforce in the surrounding communities or possibly in other areas within a commuting distance of the project site. There are no permanent jobs associated with operation of the proposed project; therefore, no workers would move to the area due to the proposed project, and no indirect population growth is anticipated. The proposed project is a bridge replacement project. No growth-inducing extensions of infrastructure, including roadways, are proposed as a part of the project. Considering the size of the proposed project and the available workforce in the immediate and surrounding area, the proposed project would not exceed Section 15064.7 of the State CEQA Guidelines' thresholds of significance for housing and population growth. As such, the proposed project would not be expected to stimulate population growth beyond that already projected to occur. Therefore, the proposed project would not be expected to result in significant impacts to population growth. No further analysis is warranted.

- (b) Displace substantial amounts of existing housing, necessitating the construction of replacement housing elsewhere?

The proposed project would not result in adverse impacts to population and housing in relation to the displacement of substantial amounts of existing housing, necessitating the construction of replacement housing elsewhere. There are currently no housing units located at the existing bridge or within 100 feet of the bridge; therefore, no housing units would be removed. The proposed project would not alter the location, distribution, density, or growth of the human population in the area. Therefore, the proposed project would not be expected to result in impacts to population and housing related to displacement of housing necessitating the construction of replacement housing. No further analysis is warranted.

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² California Employment Development Department. Accessed 17 December 2010. Historical Civilian Labor Force, Los Angeles, Long Beach, Glendale (County of Los Angeles). Available at: [http://www.calmis.ca.gov/file/lfhist/la\\$hlf.xls](http://www.calmis.ca.gov/file/lfhist/la$hlf.xls)

- (c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

The proposed project would not result in impacts to population and housing related to the displacement of substantial numbers of people, necessitating the construction of replacement housing elsewhere. Implementation of the proposed project includes the construction of a replacement bridge. No residential buildings would be demolished as part of the proposed project. As such, there would be no displacement of any person or persons. Therefore, there would be no impacts to population and housing in relation to the displacement of substantial numbers of people, necessitating the construction of replacement housing elsewhere. No further analysis is warranted.

3.14 PUBLIC SERVICES

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to public services, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State of California Environmental Quality Act (CEQA) Guidelines.¹ Public services at the proposed project site were evaluated based on review of the County of Los Angeles General Plan,² the City of Lancaster General Plan,³ the County of Los Angeles Fire Department Web site,⁴ and the County of Los Angeles Sheriff's Department Web site.⁵

State CEQA Guidelines recommend the consideration of the following question when addressing the potential for significant impact to public services:

- (a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following five public services: (1) fire protection, (2) police protection, (3) schools, (4) parks, and (5) other public facilities.

1) Fire protection

The proposed project would not be expected to result in impacts to public services in relation to fire protection. The proposed project is located in unincorporated County of Los Angeles adjacent to the borders of the City of Lancaster and the County of Los Angeles. However, fire protection services are provided by the County of Los Angeles Fire Department. There are two fire stations within a 5-mile radius of the proposed project. Fire Station No. 117 located at 44851 30th Street East, Lancaster, California is approximately 2.6 miles away.⁶ This fire station would be the first responding unit. Fire Station No. 135 located at 1846 East Avenue K-4, Lancaster, California is approximately 4.3 miles from the proposed project site.⁷ The proposed project is a bridge improvement project, which would replace an aging bridge of an out-of-date design. All work would be undertaken within the existing right of way of East Avenue J, and the new bridge would accommodate two lanes of traffic, which is the same as the existing bridge. Though power lines run parallel to the proposed project on the south side of East Avenue J adjacent to the City of Lancaster side of the proposed project, the power lines would not be affected. The proposed project would not directly or indirectly induce population growth, as it does not include residential development, and it would replace an existing bridge with one of similar capacity. As a result, no additional fire protection would be needed as a result of the proposed project. No significant impacts to emergency access would occur during the construction period, as a detour route would

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁴ County of Los Angeles Fire Department. Web site. Accessed 26 July 2010. Available at: <http://www.fire.lacounty.gov/>

⁵ County of Los Angeles Sheriff's Department. Web site. Accessed 26 July 2010. Available at: <http://www.lasdhq.org/>

⁶ County of Los Angeles Fire Department. Web site. "Hometown Stations." Accessed 26 July 2010. Available at: <http://www.fire.lacounty.gov/HometownFireStations/HometownFireStations.asp>

⁷ County of Los Angeles Fire Department. Web site. "Hometown Stations." Accessed 26 July 2010. Available at: <http://www.fire.lacounty.gov/HometownFireStations/HometownFireStations.asp>

be provided that would assure well-marked access routes during the limited construction period. In addition, the proposed project would replace the existing bridge with one of equal capacity, avoiding any long-term emergency access impacts. Therefore, there would be no expected impacts to public services related to fire protection. No further analysis is warranted.

2) Police protection

The proposed project would not be expected to result in impacts to public services in relation to police protection. The proposed project site falls in part within the County of Los Angeles unincorporated area with part of the creek area located within the City of Lancaster. The City of Lancaster contracts with the County of Los Angeles Sheriff's Department for police services.⁸ Therefore, police protection services on the proposed project are provided by the County of Los Angeles Sheriff's Department. The nearest and responding police station is the Lancaster Station, located at 501 West Lancaster Boulevard, Lancaster, California, approximately 6 miles from the proposed project site.⁹ During construction and operation of the proposed project, no pedestrian access on the bridge would be allowed, as a safety precaution. The proposed project would not directly or indirectly induce population growth. As such, no additional police protection would be needed as a result of the proposed project. No significant impacts to emergency access would occur during the construction period, as a detour route would be provided that would assure well-marked access routes during the limited construction period. In addition, the proposed project would replace the existing bridge with one of equal capacity, avoiding any long-term emergency access impacts. Therefore, there would be no expected impacts to public services related to police protection. No further analysis is warranted.

3) Schools

The proposed project would not be expected to result in impacts to public services in relation to schools. The closest residences to the proposed project site are 0.5 mile to 1 mile away. There are no schools within a 1-mile radius of the proposed project site. Additionally, the proposed project would not directly or indirectly induce population growth, and would therefore not increase the population of school-age children. The proposed project would not cause a need for additional school facilities. Therefore, there would be no expected impacts to public services related to schools. No further analysis is warranted.

4) Parks

The proposed project would not be expected to result in impacts to public service in relation to parks. According to the County of Los Angeles General Plan, the County's threshold for recreation and open space is four acres per 1,000 residents for subdivisions.¹⁰ The terrain near and surrounding the proposed project is described as agricultural and open desert. There are no parks within a 1-mile radius of the proposed project. The proposed project would not directly or indirectly induce population growth. No additional parks would be needed as a result of the proposed project. Therefore, there would be no expected impacts to public services related to parks. No further analysis is warranted.

⁸ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁹ County of Los Angeles Sheriff's Department. Web site. "Lancaster Station." Accessed 26 July 2010. Available at: <http://www.lasdhq.org/stations/for1/lancaster/index.html>

¹⁰ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan, Conservation, Open Space and Recreation Element*. Los Angeles, CA, page II-3.

5) Other public facilities

The proposed project would not be expected to result in impacts to public service in relation to other public facilities. There are no public libraries within a 1-mile radius of the proposed project that would be affected. Additionally, there are no post offices within a 1-mile radius that would be affected by the proposed project. The proposed project would not directly or indirectly induce population growth. No additional public facilities would be needed as a result of the proposed project. Therefore, there would be no expected impacts to public services related to other public facilities. No further analysis is warranted.

3.15 RECREATION

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to recreation, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State of California Environmental Quality Act (CEQA) Guidelines.¹ Recreation at the proposed project site was evaluated with regard to County of Los Angeles General Plan,² the City of Lancaster General Plan,³ expert opinion, technical studies, and other substantial evidence.

State CEQA Guidelines recommend the consideration of two questions when addressing the potential for significant impact to recreation:

Would the proposed project have any of the following effects:

- (a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

The proposed project would not be expected to result in impacts to recreation in relation to increased use of existing neighborhood and regional parks or other recreational facilities that would contribute to their physical deterioration. According to the County of Los Angeles General Plan, the County's threshold for recreation and open space is four acres per 1,000 residents for subdivisions.⁴ However, the closest residences to the proposed project are located 0.5 mile to 1 mile from the proposed project site. The proposed project would not directly or indirectly induce population growth, as it does not include residential development, and it would replace an existing bridge with one of equal capacity, and therefore not increase use of existing parks or other recreational facilities. All work would be undertaken within the existing right-of-way (ROW) of Avenue J, and there are no regional parks or other recreational facilities within a 1-mile radius of the proposed project site. No regional parks or other recreational facilities would be affected by the proposed project site. Therefore, there would be no expected impacts to recreation related to increased use of existing neighborhood and regional parks or other recreational facilities that would contribute to their physical deterioration. No further analysis is warranted.

- (b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

The proposed project would not be expected to result in adverse physical effects on the environment as a result of existing recreational facilities or proposed construction or expansion of recreational facilities. The proposed project would not directly or indirectly induce population growth, as it does not include residential development, and it would replace an existing bridge with one of equal capacity, and would therefore not increase use of existing parks or other recreational facilities. The proposed project does not include the construction of or expansion of existing recreational facilities, and no recreational facilities would be affected by the proposed

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁴ County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan, Conservation, Open Space and Recreation Element*. Los Angeles, CA, page II-3.

project. Therefore, there would be no expected impacts to recreation related to adverse physical effects on the environment as a result of existing recreational facilities or proposed construction or expansion of recreational facilities. No further analysis is warranted.

3.16 TRANSPORTATION/TRAFFIC

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to transportation/traffic, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ The conclusions rely on the County of Angeles (County) General Plan Circulation element and the County of Los Angeles Congestion Management Program (CMP).

State CEQA Guidelines recommend the consideration of seven questions when addressing the potential for significant impact to transportation/traffic:

Would the proposed project have any of the following effects:

- (a) Conflict with an applicable plan, ordinance or policy established measure of effectiveness for the performance of the circulation system, taking into account all models of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths and mass transit?

The proposed project would not conflict with an applicable plan, ordinance, or policy established as a measure of effectiveness for the performance of the circulation system, taking into account all models of transportation. The proposed bridge replacement project is located on East Avenue J between East 50th Street and East 70th Street in unincorporated area of the County of Los Angeles. Local access to the project site is provided from East Avenue J. Regional access to the project site is from the east via State Route 14 (SR-14) (Antelope Valley Freeway).

Construction of the proposed bridge replacement project would temporarily add a small number of construction work vehicle trips to the project site, as well as some construction vehicle trips (e.g., for the import and export of materials). The number of construction trips would be minimal. East Avenue J would be closed during project construction between 50th Street East and 70th Street East, with traffic being diverted to other surrounding roadways. Temporary closure of East Avenue J would expedite the construction process of the bridge. Traffic would be diverted north from East Avenue J at 50th Street East to East Avenue I. Traffic would travel along East Avenue I until 70th Street East. The detour route would be approximately 4 miles long. The dispersal of detoured trips along these and other roadways would assure no significant increase in volumes along any given roadway segment.

Once constructed, the proposed project would provide a replacement bridge of equal capacity to the existing bridge and would not change the traffic load or capacity of East Avenue J or any other roadways in the street system. The proposed project would not conflict with a plan, ordinance, or policy established as a measure of effectiveness for the performance of the circulation system. Therefore, the proposed project would be expected to result in a less than significant impact to transportation/traffic related to creating a substantial increase in traffic. No further analysis is warranted.

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

- (b) Conflict with an applicable congestion management program, including but not limited to the level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

The proposed project would not be expected to conflict with the County's congestion management program. The proposed bridge replacement project is located on East Avenue J between East 50th Street and East 70th Street in the unincorporated area of the County of Los Angeles. Local access to the project site is provided from East Avenue J. Regional access to the project site is from the east via SR-14.

New projects within the County of Los Angeles must comply with the CMP for the County of Los Angeles that was adopted by the Los Angeles Metropolitan Transportation Authority (LACMTA) in November 1995 pursuant to State law. Appendix D of the CMP includes Transportation Impact Assessment (TIA) guidelines. The TIA guidelines require analysis at monitored street intersections and segments, including freeway on and off-ramp intersections where a project is expected to add 50 or more peak hour vehicle trips and mainline freeway or ramp monitoring locations where a project is expected to add 150 or more peak hour trips. If a project does not add, but merely shifts trips at a given monitoring location, the CMP analysis is not required.

As stated above, construction of the proposed bridge replacement project would temporarily increase construction vehicle trips to the project site; however, this increase would not be significant. Once operational, the proposed project would not be expected to affect the LOS because the primary purpose of the proposed project would replace the existing bridge with one of equal capacity. Therefore, the proposed project would not be expected to result in significant impacts to transportation/traffic related to exceeding an LOS standard established by the County congestion management agency for designated roads or highways. No further analysis is warranted.

- (c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

The proposed project would not be expected to result in impacts to transportation/traffic in relation to a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks. The proposed project is not located within an airport land use plan or within 2 miles of a public airport or a public use airport. The nearest public airport is the Palmdale Regional Airport located approximately 3.9 miles south-southwest of the proposed project site.

The proposed project is not located within 2 miles of a private airstrip. The nearest private airstrip is Nichols Farms Airport located approximately 13.0 miles to the southeast of the proposed project site. There would be no change in land use patterns in relation to existing air traffic patterns. Therefore, there would be no expected impacts related to a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risk. No further analysis is warranted.

- (d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

The proposed project is located in a rural residential community and would not pose hazards due to design features. Implementation of the proposed project would not be expected to result in impacts from hazards due to a design feature. The proposed project is a bridge replacement

project, which would enhance the safety and design of the bridge and area, and would maintain the existing configuration, which is a straight bridge and roadway segment of East Avenue J. Therefore, there would be no expected impacts to transportation/traffic related to substantially increasing hazards due to a design feature. No further analysis is warranted.

(e) Result in inadequate emergency access?

The proposed project would be expected to result in less than significant impacts to transportation/traffic in relation to inadequate emergency access. There are two fire stations within a 5-mile radius of the proposed project. Fire Station No. 117 located at 44851 30th Street East, located in the City of Lancaster, is approximately 2.6 miles away.² This fire station would be the first responding unit. Fire Station No. 135 located at 1846 East Avenue K-4, located in the City of Lancaster, is approximately 4.3 miles from the proposed project site.³

The proposed project is a bridge improvement project, which would replace an aging bridge. All work would be undertaken within the existing ROW of East Avenue J, assuring continued access with an upgraded bridge. However, during the construction phase, East Avenue J would be closed during project construction between 50th Street East and 70th Street East. All traffic including emergency traffic would be diverted from East Avenue J at 50th Street East to East Avenue I. Traffic would travel along East Avenue I until 70th Street East. Other potential routes of travel are also available over the extensive network of roadways in the vicinity. The dispersal of trips along the detour route and other roadways would assure no significant increase in volumes along any given roadway segment, and no significant traffic congestion impacts with regard to adequate emergency access.

Once construction is complete, the new bridge would accommodate two lanes of traffic, which is the same as the existing bridge. Traffic due to construction activities would not be expected to result in inadequate emergency access. Directional signage would be provided in order to assure safe and adequate access during the construction phase. Once constructed, the proposed bridge would provide the same access as the existing bridge. Therefore, the proposed project would not be expected to result in significant impacts to transportation/traffic related to inadequate emergency access. No further analysis is warranted.

(f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

The proposed project would not be expected to result in impacts to transportation/traffic in relation to conflict with adopted policies, plans, or programs supporting alternative transportation. As stated above, the proposed project is a bridge replacement project and would not conflict with adopted policies, plans, or programs supporting alternative transportation. Therefore, there would be no expected impacts to transportation/traffic related to adopted policies, plans, or programs supporting alternative transportation. No further analysis is warranted.

² County of Los Angeles Fire Department. Web site. "Hometown Stations." Accessed 26 July 2010. Available at: <http://www.fire.lacounty.gov/HometownFireStations/HometownFireStations.asp>

³ County of Los Angeles Fire Department. Web site. "Hometown Stations." Accessed 26 July 2010. Available at: <http://www.fire.lacounty.gov/HometownFireStations/HometownFireStations.asp>

3.17 UTILITIES AND SERVICE SYSTEMS

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to utilities and service systems, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Utilities and service systems in the proposed project area were evaluated with regard to the County of Los Angeles General Plan,² the City of Lancaster General Plan,³ Sanitation Districts of Los Angeles County,⁴ the Lahontan Regional Water Quality Control Board (Lahontan-RWQCB),⁵ and State of California RWQCB Lahontan Basin Plan.⁶

The State CEQA Guidelines recommend the consideration of seven questions when addressing the potential for significant impact to utilities and service systems:

Would the project have any of the following effects:

- (a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

The proposed project would not be expected to result in impacts to utilities and service systems in relation to exceeding wastewater treatment requirements of the Lahontan-RWQCB. The proposed project falls within the jurisdiction of the Lahontan-RWQCB.⁷ The proposed project is located in unincorporated County of Los Angeles adjacent to the City of Lancaster. The proposed project is a bridge improvement project, which would replace an aging bridge of out-of-date design. A minimal amount of water is anticipated to be used for construction of the project. The proposed project would not require an increase in wastewater during operation of the project. Upon completion, the proposed project would not contribute additional amounts of wastewater into the wastewater treatment system. Therefore, no impacts to utilities and service systems related to exceeding wastewater treatment requirements of the Lahontan-RWQCB would occur. No further analysis is warranted.

- (b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

The proposed project would not be expected to result in impacts to utilities in relation to the construction of new water or wastewater treatment facilities or expansion of facilities, causing

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁴ Sanitation Districts of Los Angeles County. Accessed 13 August 2010. Web site. Available at: <http://www.lacsd.org/default.asp>

⁵ State Water Resources Control Board. Accessed 13 August 2010. Web site. "Lahontan-RWQCB." Available at: <http://www.waterboards.ca.gov/lahontan/>

⁶ Regional Water Quality Control Board. Updated December 2005. *Water Quality Control Plan for the Lahontan Region*. Available at: http://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/index.shtml

⁷ State Water Resources Control Board. Accessed 13 August 2010. Web site. "Lahontan-RWQCB." Available at: <http://www.waterboards.ca.gov/lahontan/>

significant environmental effects. The collection, treatment and disposal of wastewater within the City of Lancaster and adjacent unincorporated areas are under the jurisdiction of the Sanitation Districts of Los Angeles County, District No. 14.⁸ In general, wastewater generated in the proposed area would be treated at the Lancaster Wastewater Reclamation Plant. The Lancaster Wastewater Reclamation Plant provides primary and secondary treatment for 16 million gallons of wastewater per day and serves a population of approximately 160,000 people.⁹ However, the proposed project is a bridge replacement project and would not generate any wastewater upon implementation. During construction, portable bathrooms would be available for construction workers. Water usage during construction would be minimal and would not require the construction or new facilities or the expansion of existing facility. Therefore, the proposed project would not be expected to result in significant impacts related to need for new water supply or wastewater treatment facilities. No further analysis is warranted.

- (c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental impacts?

The proposed project would not be expected to result in impacts to utilities in relation to the construction of new storm water drainage facilities or expansion of existing facilities, which could cause significant environmental impacts. The proposed project would span over Little Rock Creek, an intermittent drainage that is presently dry. The bridge is located in a very rural area with minimal development in the project vicinity. Storm water runoff would be minimal given the size of the project. The proposed bridge replacement project would be constructed in accordance with standard BMPs¹⁰ that would not require or result in construction of new storm water drainage facilities or expansion of existing facilities. Therefore, the proposed project would not be expected to result in significant impacts to utilities in relation to the construction of new storm water drainage facilities or expansion of existing facilities, which could cause significant environmental impacts. No further analysis is warranted.

- (d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

The proposed project would not be expected to result in impacts to utilities in relation to having sufficient water supplies available to serve the project from existing entitlements and resources. The proposed project would not adversely impact water use. The proposed project is a bridge replacement project. Water usage during construction would be for dust control measures and other construction uses. Construction water usage would not be substantial. After implementation, the proposed project would not require a net increase in water consumption or entitlements. Therefore, the proposed project would not be expected to result in impacts related to sufficient water supplies available to serve the project . No further analysis is warranted.

⁸ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

⁹ Sanitation Districts of Los Angeles County. Accessed 13 August 2010. "Lancaster Water Reclamation Plant." Available at: http://www.lacsd.org/about/wastewater_facilities/antelope_valley_water_reclamation_plants/lancaster.asp

¹⁰ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

- (e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

The proposed project would not result in impacts to utilities and service systems in relation to the wastewater treatment provider's capacity to serve the project's projected demand in addition to the provider's existing commitments. The project area is serviced by the Lancaster Wastewater Reclamation Plant.¹¹ The proposed project is a bridge improvement project. Upon implementation, the proposed project would not generate wastewater. The Lancaster Wastewater Plant has adequate capacity and would not be impacted by the proposed bridge replacement project. Therefore, there would be no expected impacts to utilities and service systems related to the capacity of wastewater treatment. No further analysis is warranted.

- (f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

The proposed project would not be expected to result in adverse impacts to solid waste. Solid waste would not be generated as a result of the project operation. The landfills that service the City of Lancaster, City of Palmdale, and adjacent unincorporated areas of the County of Los Angeles include the Antelope Valley and the Lancaster Landfill, located at 1200 West City Ranch Road in Palmdale, and the Recycling Center, located at 600 East Avenue F, in unincorporated Los Angeles County. Within Los Angeles County, landfills have one of the three classification: Class I landfills are for hazardous waste only; Class II landfills accept specified hazardous water and non-hazardous waste; and Class III landfills dispose of non-hazardous waste. A limited amount of solid waste would be generated during construction, specifically during demolition-related activities. Waste generated by the project would consist of wood, debris, and soil. The landfills that service the project area have sufficient permitted capacity to accommodate the proposed project. Therefore, the proposed project would result in less than significant impacts to solid waste.

- (g) Comply with federal, state, and local statutes and regulations related to solid waste?

The proposed project would not be expected to result in impacts to utilities and service systems in relation to compliance with federal, state, and local statutes and regulations related to solid waste. The California Integrated Waste Management Act of 1989, which consists of Assembly Bill (AB) 939 and Senate Bill (SB) 1322, requires the County of Los Angeles to attain specific waste diversion goals.¹² The proposed project is a bridge improvement project and would comply with federal, state and local statutes on the regulation of solid waste disposal. As stated above, upon implementation, the proposed project would not generate additional solid waste. The proposed project would be in compliance with the waste diversion goals of the County of Los Angeles. Therefore, project impacts would be less than significant. No further analysis is warranted.

¹¹ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. Lancaster, CA.

¹² California Environmental Protection Agency. Accessed 13 August 2010. "The History of The Environmental Protection Agency, Integrated Waste Management Board." Available at: <http://www.calepa.ca.gov/About/History01/ciwmb.htm>

3.18 MANDATORY FINDINGS OF SIGNIFICANCE

This analysis is undertaken to determine if the Avenue J over Little Rock Creek Bridge Replacement Project (proposed project) may have a significant impact to Mandatory Findings of Significance, thus requiring the consideration of mitigation measures or alternatives, in accordance with Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines.¹ Mandatory Findings of Significance at the proposed project site were evaluated based on a review of the County of Los Angeles General Plan.² This analysis is also based on review of the City of Lancaster General Plan,³ a query of the California Natural Diversity Database (CNDDDB)⁴ for the U.S. Geological Survey (USGS) 7.5-minute series topographic Lancaster East quadrangle where the project is located, a review of published and unpublished literature germane to the proposed project, as well as a site visit and review of aerial photography. Cultural resources at the proposed project site were evaluated⁵ and existing background research was conducted via record searches, field surveys, consultation, public records, and other repositories.

The State CEQA Guidelines recommend the consideration of three questions when addressing the potential for significant impact to Mandatory Findings of Significance:

Would the project have any of the following effects:

- (a) Does the project has the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

The proposed project would not be expected to result in significant impacts in relation to the potential to degrade the environment through the reduction of endangered plant or animal species. The proposed project site is located in rural area of Los Angeles County, with agricultural uses surrounding the proposed project location. Characteristics of the existing site include existing bridge (in-use), a few hardscape features (e.g., streets, bridge rails) and agricultural areas. The site is characterized by high levels of disturbance and degradation as determined by the presence of invasive species, anthropogenic debris, and off-road vehicle tracks through the bed of Little Rock Creek and the surrounding vegetation. Therefore, the proposed project would not be expected to result in significant impacts to biological resources related to species listed as rare, threatened, or endangered pursuant to the federal and State Endangered Species Acts (ESAs).

The proposed project site does not support an established wildlife movement corridor. Implementation of the proposed project would also not interfere with the movement of any migratory fish because, although Little Rock Creek may have flowing water during storm events, implementation of the proposed project would take place during times when the creek is dry. Therefore, the proposed project

¹ *California Code of Regulations*. Title 14, Division 6, Chapter 3, Sections 15000–15387, Appendix G.

² County of Los Angeles Department of Regional Planning. November 1980. *County of Los Angeles General Plan*. Los Angeles, CA.

³ City of Lancaster. Adopted 14 July 2009. *Lancaster General Plan 2030*. <http://www.cityoflancasterca.org/Index.aspx?page=430>

⁴ California Department of Fish and Game. 2010. *Rarefind 3: A Database Application for the Use of the California Department of Fish and Game Natural Diversity Data Base*. Sacramento, CA

⁵ Sapphos Environmental, Inc. 12 August 2010. Memorandum for the Record No. 2. Pasadena, CA.

would not be expected to result in significant impacts to biological resources related to movement of any migratory fish with an established wildlife corridor. Therefore, the proposed project would not be expected to have the potential to degrade the quality of the environment in relation to a substantial reduction in the habitat of a fish or wildlife species, a drop below self-sustaining levels of a fish or wildlife population, elimination of a plant or animal community, or a reduction in the number or a restriction of the range of a rare or endangered plant or animal.

The proposed project would be expected to result in less than significant impacts to Mandatory Findings of Significance in relation to the potential to degrade the quality of the environment by elimination of important examples of California history. The results of the records search conducted by Sapphos Environmental, Inc. in July 2010 indicated that there are no properties either listed in or eligible for the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR) located on the project area or within 1 mile of the proposed project area.^{6,7}

- (b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future project)?

Cumulative impacts are an evaluation of the proposed project potential impact combined with other related projects impacts. Related projects are projects that are within the area surrounding the proposed project site that are currently in progress or proposed for the future that, when considered with the proposed project, could potentially result in cumulative environmental impacts. There are no anticipated County-related projects within an approximate 1-mile radius of the proposed project site.⁸ Additionally, there are no anticipated City of Lancaster–related projects within an approximate 1-mile radius of the proposed project site.⁹ Specific best management practices (BMPs) that are included as project features in Section 1.0, *Project Description*, to ensure that potential impacts would remain less than significant and or further reduce project impacts. As indicated in Sections 3.01 through 3.17 above, the proposed project would have a less than significant individual impacts and would not result in cumulatively considerable impacts.

- (c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

The proposed project would be expected to result in less than significant impacts with regard to environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly. Impacts related to the construction of the proposed project would be temporary; the implementation of the project features and BMPs listed in Section 1.0, *Project Description*, would reduce these impacts. In addition, the proposed project would result in less than significant operational impacts due to the fact that the proposed project entails replacement of an existing bridge. All temporary impacts as a result of construction of the proposed project would be restored to pre-project conditions with incorporation of the BMPs listed in Section 1.0.

⁶ South Central Coastal Information Center, California State University, Fullerton. July 2010. Contact Ms. Stacy St. James, Coordinator, 800 North State College Blvd., Fullerton, CA 92834-6846.

⁷ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

⁸ Soriano, Reyna, County of Los Angeles Department of Public Works, Programs Development Division. 21 July 2010. Written correspondence with Christa Hudson, Sapphos Environmental, Inc., Pasadena, CA.

⁹ Ng, Chuen, City of Lancaster, Planning Department. 11 January 2011. Telephone correspondence with Leanna Guillermo, Sapphos Environmental, Inc., Pasadena, CA.

The proposed project would not be expected to result in significant environmental impacts. Any potentially significant impacts would be reduced to below the level of significance with the use of BMPs. There would be no environmental impacts that would cause substantial adverse effects on human beings, either directly or indirectly.

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SECTION 5.0
REPORT PREPARATION PERSONNEL

The following individuals contributed to the preparation of this document.

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5.2 SAPPHOS ENVIRONMENTAL, INC.

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Mr. John Ivanov	Resource Analyst	Biological Resources
Ms. Samantha Ortiz	Senior Technical Editor	Editing and Document Production
Mr. Kenneth Ferretti	Geographical Information System Coordinator	GIS Analysis

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: W:\PROJECTS\1012\1012-039\Data\Air\Avenue J.urb924

Project Name: Avenue J

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 4/16/2012-4/30/2012 Active Days: 11	1.64	11.52	8.88	0.00	0.01	0.77	0.78	0.00	0.71	0.71	1,402.82
Demolition 04/15/2012- 04/30/2012	1.64	11.52	8.88	0.00	0.01	0.77	0.78	0.00	0.71	0.71	1,402.82
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	1.61	11.46	7.75	0.00	0.00	0.76	0.76	0.00	0.70	0.70	1,247.39
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.03	0.06	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.43
Time Slice 5/1/2012-5/31/2012 Active Days: 23	2.82	23.30	12.92	0.00	4.01	1.13	5.14	0.84	1.04	1.88	2,592.80
Mass Grading 05/01/2012- 05/31/2012	2.82	23.30	12.92	0.00	4.01	1.13	5.14	0.84	1.04	1.88	2,592.80
Mass Grading Dust	0.00	0.00	0.00	0.00	4.00	0.00	4.00	0.84	0.00	0.84	0.00
Mass Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Mass Grading On Road Diesel	0.10	1.30	0.50	0.00	0.01	0.05	0.06	0.00	0.05	0.05	221.13
Mass Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.35

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Time Slice 6/1/2012-6/29/2012 Active Days: 21	2.72	22.00	12.42	0.00	4.01	1.08	5.08	0.84	0.99	1.83	2,371.66
Fine Grading 06/01/2012-06/30/2012	2.72	22.00	12.42	0.00	4.01	1.08	5.08	0.84	0.99	1.83	2,371.66
Fine Grading Dust	0.00	0.00	0.00	0.00	4.00	0.00	4.00	0.84	0.00	0.84	0.00
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.35
Time Slice 7/2/2012-7/31/2012 Active Days: 22	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68	1,838.98
Trenching 07/01/2012-07/31/2012	1.83	15.29	8.92	0.00	0.01	0.74	0.74	0.00	0.68	0.68	1,838.98
Trenching Off Road Diesel	1.80	15.24	8.01	0.00	0.00	0.73	0.73	0.00	0.67	0.67	1,714.64
Trenching Worker Trips	0.03	0.05	0.91	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.35
Time Slice 8/1/2012-8/31/2012 Active Days: 23	1.08	8.10	5.79	0.00	0.01	0.50	0.50	0.00	0.46	0.46	1,079.42
Building 08/01/2012-08/31/2012	1.08	8.10	5.79	0.00	0.01	0.50	0.50	0.00	0.46	0.46	1,079.42
Building Off Road Diesel	1.03	7.87	4.56	0.00	0.00	0.49	0.49	0.00	0.45	0.45	893.39
Building Vendor Trips	0.01	0.16	0.14	0.00	0.00	0.01	0.01	0.00	0.01	0.01	38.09
Building Worker Trips	0.03	0.06	1.08	0.00	0.01	0.00	0.01	0.00	0.00	0.01	147.94
Time Slice 9/3/2012-9/28/2012 Active Days: 20	1.80	10.82	8.47	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,212.05
Asphalt 09/01/2012-09/30/2012	1.80	10.82	8.47	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,212.05
Paving Off-Gas	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.01	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.21
Paving Worker Trips	0.05	0.09	1.59	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.61

Phase Assumptions

Phase: Demolition 4/15/2012 - 4/30/2012 - Default Demolition Description

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

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Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 6/1/2012 - 6/30/2012 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 0.2

Maximum Daily Acreage Disturbed: 0.2

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 5/1/2012 - 5/31/2012 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 0.2

Maximum Daily Acreage Disturbed: 0.2

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 52.17

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 7/1/2012 - 7/31/2012 - Default Trenching Description

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

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Phase: Paving 9/1/2012 - 9/30/2012 - Default Paving Description

Acres to be Paved: 0.21

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
- 1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 8/1/2012 - 8/31/2012 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

APPENDIX B
SAMPLING AND LABORATORY RESULTS



LA Testing

11652 Knott Street Unit F5, Garden Grove, CA 92841

Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Nick Forsyth**
Sierra Analytical Labs, Inc.
26052 Merit Circle
Suite 105
Laguna Hills, CA 92653

Customer ID: 32SIER22
Customer PO:
Received: 09/22/10 12:00 PM
LA Testing Order: 331011450

Fax: (949) 348-9115 Phone: (949) 348-9389
Project: 1009126

LA Testing Proj:
Analysis Date: 9/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
J-A-1 (1009126-01) 331011450-0001		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
J-A-2 (1009126-02) 331011450-0002		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
J-A-3 (1009126-03) 331011450-0003		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Initial report from 09/29/2010 12:10:34

Analyst(s)

Jeffrey Deboo (3)

Derrick Tanner, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing 11652 Knott Street Unit F5, Garden Grove CA NVLAP Lab Code 101384-0, CA ELAP 1406



SUBCONTRACT ORDER
Sierra Analytical Labs, Inc.
Sierra Project #: 1009126

331011450

John

Comments

SENDING LABORATORY:

Sierra Analytical Labs, Inc.
 26052 Merit Circle, Suite 105
 Laguna Hills, CA 92653
 Phone: (949) 348-9389
 Fax: (949) 348-9115
 Laboratory Contact: Nick Forsyth

Turn Around	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> 24Hour
Time Requested:	<input type="checkbox"/> 48Hour	<input type="checkbox"/> 72Hour
	<input type="checkbox"/> 4Day	<input type="checkbox"/> 5Day

RECEIVING LABORATORY:

LA Testing - Los Alamitos
 11652 Knott Avenue Unit F5
 Garden Grove, CA 92841
 Phone : (800) 755-1794
 Fax: (714) 761-2713

Analysis	Expires	Sampled:	Laboratory ID	Comments
Sample ID: J-A-1 (1009126-01)	Solid	09/08/10 10:00		
Asbestos (PLM)	03/07/11 10:00			
Containers Supplied: Plastic Baggie (A)				
Sample ID: J-A-2 (1009126-02)	Solid	09/08/10 10:00		
Asbestos (PLM)	03/07/11 10:00			
Containers Supplied: Plastic Baggie (A)				
Sample ID: J-A-3 (1009126-03)	Solid	09/08/10 10:00		
Asbestos (PLM)	03/07/11 10:00			
Containers Supplied: Plastic Baggie (A)				

Special Instructions :

<input type="checkbox"/> Intact	<input type="checkbox"/> Sample Seals
<input type="checkbox"/> Properly Labeled	<input type="checkbox"/> Chilled TEMP (°C) _____
<input type="checkbox"/> Appropriate Container	<input type="checkbox"/> Preservatives - Verified By _____

TJK
 Relinquished By _____
 Relinquished By _____
 Relinquished By _____

9.21.10 / 15:00
 Date / Time _____
 Date / Time _____
 Date / Time _____

Miravanne
 Received By _____
 Received By _____
 Received By _____

9/21/10
 Date / Time _____
 Date / Time _____
 Date / Time _____



22 September 2010

Oscar Enriquez
Los Angeles County Dept. of Public Works
900 S. Fremont Ave.
Alhambra, CA 91803

RE:NA

Work Order No.: 1009125

Attached are the results of the analyses for samples received by the laboratory on 09/08/10 15:20.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accreditation Program (ELAP) No. 2320.



Los Angeles County Dept. of Public Works
900 S. Fremont Ave.
Alhambra CA, 91803

Project: NA
Project Number: PCA #X2510957
Project Manager: Oscar Enriquez

Reported:
09/22/10 09:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
J-W-1	1009125-01	Solid	09/08/10 10:00	09/08/10 15:20
J-W-2	1009125-02	Solid	09/08/10 10:00	09/08/10 15:20
J-W-3	1009125-03	Solid	09/08/10 10:00	09/08/10 15:20
J-B-1	1009125-04	Solid	09/08/10 10:00	09/08/10 15:20
J-B-2	1009125-05	Solid	09/08/10 10:00	09/08/10 15:20
J-B-3	1009125-06	Solid	09/08/10 10:00	09/08/10 15:20
J-B-4	1009125-07	Solid	09/08/10 10:00	09/08/10 15:20
J-B-5	1009125-08	Solid	09/08/10 10:00	09/08/10 15:20

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C
Sierra Analytical Labs, Inc.

Analyte	Result	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units							
J-W-1 (1009125-01) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Acenaphthene	150	3.3	mg/kg		10	B0I0902	09/10/10	09/10/10 17:51	EPA 8270C	
Acenaphthylene	11	3.3	"		"	"	"	"	"	
Anthracene	6.4	3.3	"		"	"	"	"	"	
Ben-zidine	ND	3.3	"		"	"	"	"	"	
Benzo (a) anthracene	230	3.3	"		"	"	"	"	"	
Benzo (b) fluoranthene	98	3.3	"		"	"	"	"	"	
Benzo (k) fluoranthene	110	3.3	"		"	"	"	"	"	
Benzo (a) pyrene	77	3.3	"		"	"	"	"	"	
Benzo (g,h,i) perylene	33	3.3	"		"	"	"	"	"	
Benzyl alcohol	ND	3.3	"		"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	3.3	"		"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	3.3	"		"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	3.3	"		"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	3.3	"		"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	3.3	"		"	"	"	"	"	
Butyl benzyl phthalate	ND	3.3	"		"	"	"	"	"	
4-Chloroaniline	ND	3.3	"		"	"	"	"	"	
2-Chlorophenol	ND	3.3	"		"	"	"	"	"	
4-Chloro-3-methylphenol	ND	3.3	"		"	"	"	"	"	
2-Chloronaphthalene	ND	3.3	"		"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	3.3	"		"	"	"	"	"	
Chrysene	280	3.3	"		"	"	"	"	"	
Dibenz (a,h) anthracene	8.7	3.3	"		"	"	"	"	"	
Dibenzofuran	130	3.3	"		"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.3	"		"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.3	"		"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.3	"		"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	3.3	"		"	"	"	"	"	
2,4-Dichlorophenol	ND	3.3	"		"	"	"	"	"	
Diethyl phthalate	ND	3.3	"		"	"	"	"	"	
2,4-Dimethylphenol	4.1	3.3	"		"	"	"	"	"	
Dimethyl phthalate	ND	3.3	"		"	"	"	"	"	
Di-n-butyl phthalate	ND	3.3	"		"	"	"	"	"	
2,4-Dinitrophenol	ND	3.3	"		"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.3	"		"	"	"	"	"	
2,4-Dinitrotoluene	ND	3.3	"		"	"	"	"	"	
2,6-Dinitrotoluene	ND	3.3	"		"	"	"	"	"	
Di-n-octyl phthalate	ND	3.3	"		"	"	"	"	"	
1,2-Diphenylhydrazine	ND	3.3	"		"	"	"	"	"	
Fluoranthene	390	3.3	"		"	"	"	"	"	
Fluorene	180	3.3	"		"	"	"	"	"	

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-W-1 (1009125-01) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Hexachlorobenzene	ND	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 17:51	EPA 8270C	
Hexachlorobutadiene	ND	3.3	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3	"	"	"	"	"	"	"
Hexachloroethane	ND	3.3	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	14	3.3	"	"	"	"	"	"	"
Isophorone	ND	3.3	"	"	"	"	"	"	"
2-Methylnaphthalene	53	3.3	"	"	"	"	"	"	"
2-Methylphenol	ND	3.3	"	"	"	"	"	"	"
4-Methylphenol	15	3.3	"	"	"	"	"	"	"
Naphthalene	91	3.3	"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
Nitrobenzene	ND	3.3	"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3	"	"	"	"	"	"	"
Diphenylamine	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3	"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3	"	"	"	"	"	"	"
Phenanthrene	6.2	3.3	"	"	"	"	"	"	"
Phenol	9.6	3.3	"	"	"	"	"	"	"
Pyrene	11	3.3	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		76.0 %		25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		79.4 %		24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		82.0 %		23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		65.2 %		30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		101 %		19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		53.2 %		18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-W-2 (1009125-02) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	63	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 18:35	EPA 8270C	
Acenaphthylene	9.8	3.3	"	"	"	"	"	"	"
Anthracene	46	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	240	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	97	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	110	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	80	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	37	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	280	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	12	3.3	"	"	"	"	"	"	"
Dibenzofuran	67	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	100	3.3	"	"	"	"	"	"	"
Fluorene	130	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-W-2 (1009125-02) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Hexachlorobenzene	ND	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 18:35	EPA 8270C	
Hexachlorobutadiene	ND	3.3	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3	"	"	"	"	"	"	"
Hexachloroethane	ND	3.3	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	16	3.3	"	"	"	"	"	"	"
Isophorone	ND	3.3	"	"	"	"	"	"	"
2-Methylnaphthalene	9.7	3.3	"	"	"	"	"	"	"
2-Methylphenol	ND	3.3	"	"	"	"	"	"	"
4-Methylphenol	4.3	3.3	"	"	"	"	"	"	"
Naphthalene	24	3.3	"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
Nitrobenzene	ND	3.3	"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3	"	"	"	"	"	"	"
Diphenylamine	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3	"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3	"	"	"	"	"	"	"
Phenanthrene	44	3.3	"	"	"	"	"	"	"
Phenol	ND	3.3	"	"	"	"	"	"	"
Pyrene	18	3.3	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		64.0 %		25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		74.0 %		24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		57.1 %		23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		68.2 %		30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		94.0 %		19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		117 %		18-137	"	"	"	"	"

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Greenhouse Gas Emissions for Avenue J

Construction Phase	Duration of Phase (days)	Construction Emissions		
		pounds/day*	metric tons/day	pounds/phase
Demolition	11	1,402.82	0.64	15,431.02
Mass Site Grading	23	2,592.80	1.19	59,634.40
Fine Site Grading	21	2,371.66	1.08	49,804.86
Trenching	22	1,838.98	0.83	40,457.56
Building Construction	23	1,079.42	0.49	24,826.66
Paving	20	1,212.05	0.55	24,241.00
Maximum Total (based on 130 days of construction)				214,395.50

* from URBEMIS

Conversion factor for pounds to metric tons = 0.000453592

97.25



Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-W-3 (1009125-03) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	ND	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 19:19	EPA 8270C	
Acenaphthylene	ND	3.3	"	"	"	"	"	"	"
Anthracene	65	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	ND	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	ND	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	ND	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	3.3	"	"	"	"	"	"	"
Dibenzofuran	ND	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	36	3.3	"	"	"	"	"	"	"
Fluorene	ND	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-W-3 (1009125-03) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Hexachlorobenzene	ND	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 19:19	EPA 8270C	
Hexachlorobutadiene	ND	3.3	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3	"	"	"	"	"	"	"
Hexachloroethane	ND	3.3	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	3.3	"	"	"	"	"	"	"
Isophorone	ND	3.3	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	3.3	"	"	"	"	"	"	"
2-Methylphenol	ND	3.3	"	"	"	"	"	"	"
4-Methylphenol	ND	3.3	"	"	"	"	"	"	"
Naphthalene	8.0	3.3	"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3	"	"	"	"	"	"	"
Nitrobenzene	ND	3.3	"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3	"	"	"	"	"	"	"
Diphenylamine	ND	3.3	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3	"	"	"	"	"	"	"
Pentachlorophenol	12000	3.3	"	"	"	"	"	"	"
Phenanthrene	63	3.3	"	"	"	"	"	"	"
Phenol	ND	3.3	"	"	"	"	"	"	"
Pyrene	3.6	3.3	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3	"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		74.6 %		25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		24.6 %		24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		65.2 %		23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		87.1 %		30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		121 %		19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		48.9 %		18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-B-1 (1009125-04) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	220	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 20:03	EPA 8270C	
Acenaphthylene	22	3.3	"	"	"	"	"	"	"
Anthracene	3.4	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	310	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	160	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	130	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	130	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	61	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	290	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	19	3.3	"	"	"	"	"	"	"
Dibenzofuran	190	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	4.0	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	110	3.3	"	"	"	"	"	"	"
Fluorene	250	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
J-B-1 (1009125-04) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Hexachlorobenzene	ND	3.3		mg/kg	10	B0I0902	09/10/10	09/10/10 20:03	EPA 8270C	
Hexachlorobutadiene	ND	3.3		"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3		"	"	"	"	"	"	"
Hexachloroethane	ND	3.3		"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	24	3.3		"	"	"	"	"	"	"
Isophorone	ND	3.3		"	"	"	"	"	"	"
2-Methylnaphthalene	150	3.3		"	"	"	"	"	"	"
2-Methylphenol	ND	3.3		"	"	"	"	"	"	"
4-Methylphenol	4.1	3.3		"	"	"	"	"	"	"
Naphthalene	ND	3.3		"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
Nitrobenzene	ND	3.3		"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3		"	"	"	"	"	"	"
Diphenylamine	200	3.3		"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3		"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3		"	"	"	"	"	"	"
Phenanthrene	ND	3.3		"	"	"	"	"	"	"
Phenol	ND	3.3		"	"	"	"	"	"	"
Pyrene	25	3.3		"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3		"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		83.4 %			25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		90.6 %			24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		109 %			23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		79.0 %			30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		112 %			19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		67.0 %			18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-B-2 (1009125-05) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	70	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 20:49	EPA 8270C	
Acenaphthylene	5.2	3.3	"	"	"	"	"	"	"
Anthracene	5.9	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	120	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	110	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	120	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	40	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	21	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	170	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	6.9	3.3	"	"	"	"	"	"	"
Dibenzofuran	72	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	ND	3.3	"	"	"	"	"	"	"
Fluorene	79	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
J-B-2 (1009125-05) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Hexachlorobenzene	ND	3.3		mg/kg	10	B0I0902	09/10/10	09/10/10 20:49	EPA 8270C	
Hexachlorobutadiene	ND	3.3		"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3		"	"	"	"	"	"	"
Hexachloroethane	ND	3.3		"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	9.2	3.3		"	"	"	"	"	"	"
Isophorone	ND	3.3		"	"	"	"	"	"	"
2-Methylnaphthalene	22	3.3		"	"	"	"	"	"	"
2-Methylphenol	ND	3.3		"	"	"	"	"	"	"
4-Methylphenol	ND	3.3		"	"	"	"	"	"	"
Naphthalene	68	3.3		"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
Nitrobenzene	ND	3.3		"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3		"	"	"	"	"	"	"
Diphenylamine	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3		"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3		"	"	"	"	"	"	"
Phenanthrene	5.7	3.3		"	"	"	"	"	"	"
Phenol	ND	3.3		"	"	"	"	"	"	"
Pyrene	980	3.3		"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3		"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		70.0 %			25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		78.6 %			24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		82.0 %			23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		76.0 %			30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		97.4 %			19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		104 %			18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-B-3 (1009125-06) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	59	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 21:35	EPA 8270C	
Acenaphthylene	6.2	3.3	"	"	"	"	"	"	"
Anthracene	5.0	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	210	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	160	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	170	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	60	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	22	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	230	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	7.8	3.3	"	"	"	"	"	"	"
Dibenzofuran	54	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	ND	3.3	"	"	"	"	"	"	"
Fluorene	73	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
J-B-3 (1009125-06) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Hexachlorobenzene	ND	3.3		mg/kg	10	B0I0902	09/10/10	09/10/10 21:35	EPA 8270C	
Hexachlorobutadiene	ND	3.3		"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3		"	"	"	"	"	"	"
Hexachloroethane	ND	3.3		"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	11	3.3		"	"	"	"	"	"	"
Isophorone	ND	3.3		"	"	"	"	"	"	"
2-Methylnaphthalene	9.2	3.3		"	"	"	"	"	"	"
2-Methylphenol	ND	3.3		"	"	"	"	"	"	"
4-Methylphenol	ND	3.3		"	"	"	"	"	"	"
Naphthalene	23	3.3		"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
Nitrobenzene	ND	3.3		"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3		"	"	"	"	"	"	"
Diphenylamine	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3		"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3		"	"	"	"	"	"	"
Phenanthrene	ND	3.3		"	"	"	"	"	"	"
Phenol	ND	3.3		"	"	"	"	"	"	"
Pyrene	1400	3.3		"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3		"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		70.6 %			25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		50.0 %			24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		78.1 %			23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		89.2 %			30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		112 %			19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		59.2 %			18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-B-4 (1009125-07) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	230	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 22:22	EPA 8270C	
Acenaphthylene	10	3.3	"	"	"	"	"	"	"
Anthracene	44	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	240	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	67	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	97	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	80	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	25	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	240	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	7.7	3.3	"	"	"	"	"	"	"
Dibenzofuran	170	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	11	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	87	3.3	"	"	"	"	"	"	"
Fluorene	230	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
J-B-4 (1009125-07) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Hexachlorobenzene	ND	3.3		mg/kg	10	B0I0902	09/10/10	09/10/10 22:22	EPA 8270C	
Hexachlorobutadiene	ND	3.3		"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3		"	"	"	"	"	"	"
Hexachloroethane	ND	3.3		"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	11	3.3		"	"	"	"	"	"	"
Isophorone	ND	3.3		"	"	"	"	"	"	"
2-Methylnaphthalene	130	3.3		"	"	"	"	"	"	"
2-Methylphenol	6.1	3.3		"	"	"	"	"	"	"
4-Methylphenol	26	3.3		"	"	"	"	"	"	"
Naphthalene	240	3.3		"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
Nitrobenzene	ND	3.3		"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3		"	"	"	"	"	"	"
Diphenylamine	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3		"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3		"	"	"	"	"	"	"
Phenanthrene	43	3.3		"	"	"	"	"	"	"
Phenol	15	3.3		"	"	"	"	"	"	"
Pyrene	28	3.3		"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3		"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		113 %		25-121		"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		52.6 %		24-113		"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		38.1 %		23-120		"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		101 %		30-115		"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		69.4 %		19-122		"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		51.1 %		18-137		"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
J-B-5 (1009125-08) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20									
Acenaphthene	250	3.3	mg/kg	10	B0I0902	09/10/10	09/10/10 23:07	EPA 8270C	
Acenaphthylene	14	3.3	"	"	"	"	"	"	"
Anthracene	57	3.3	"	"	"	"	"	"	"
Benzidine	ND	3.3	"	"	"	"	"	"	"
Benzo (a) anthracene	290	3.3	"	"	"	"	"	"	"
Benzo (b) fluoranthene	110	3.3	"	"	"	"	"	"	"
Benzo (k) fluoranthene	130	3.3	"	"	"	"	"	"	"
Benzo (a) pyrene	110	3.3	"	"	"	"	"	"	"
Benzo (g,h,i) perylene	42	3.3	"	"	"	"	"	"	"
Benzyl alcohol	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	3.3	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	3.3	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	3.3	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	3.3	"	"	"	"	"	"	"
4-Chloroaniline	ND	3.3	"	"	"	"	"	"	"
2-Chlorophenol	ND	3.3	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	3.3	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	3.3	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	3.3	"	"	"	"	"	"	"
Chrysene	310	3.3	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	15	3.3	"	"	"	"	"	"	"
Dibenzofuran	200	3.3	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	3.3	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	3.3	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	3.3	"	"	"	"	"	"	"
Diethyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dimethylphenol	13	3.3	"	"	"	"	"	"	"
Dimethyl phthalate	ND	3.3	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	3.3	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	3.3	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	3.3	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	3.3	"	"	"	"	"	"	"
1,2-Diphenylhydrazine	ND	3.3	"	"	"	"	"	"	"
Fluoranthene	140	3.3	"	"	"	"	"	"	"
Fluorene	280	3.3	"	"	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
J-B-5 (1009125-08) Solid Sampled: 09/08/10 10:00 Received: 09/08/10 15:20										
Hexachlorobenzene	ND	3.3		mg/kg	10	B0I0902	09/10/10	09/10/10 23:07	EPA 8270C	
Hexachlorobutadiene	ND	3.3		"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	3.3		"	"	"	"	"	"	"
Hexachloroethane	ND	3.3		"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	18	3.3		"	"	"	"	"	"	"
Isophorone	ND	3.3		"	"	"	"	"	"	"
2-Methylnaphthalene	180	3.3		"	"	"	"	"	"	"
2-Methylphenol	6.7	3.3		"	"	"	"	"	"	"
4-Methylphenol	27	3.3		"	"	"	"	"	"	"
Naphthalene	ND	3.3		"	"	"	"	"	"	"
2-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
3-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
4-Nitroaniline	ND	3.3		"	"	"	"	"	"	"
Nitrobenzene	ND	3.3		"	"	"	"	"	"	"
2-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
4-Nitrophenol	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	3.3		"	"	"	"	"	"	"
Diphenylamine	ND	3.3		"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	3.3		"	"	"	"	"	"	"
Pentachlorophenol	ND	3.3		"	"	"	"	"	"	"
Phenanthrene	54	3.3		"	"	"	"	"	"	"
Phenol	13	3.3		"	"	"	"	"	"	"
Pyrene	12	3.3		"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	3.3		"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	3.3		"	"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>		90.0 %			25-121	"	"	"	"	"
<i>Surrogate: Phenol-d6</i>		94.6 %			24-113	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>		29.0 %			23-120	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>		74.2 %			30-115	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>		57.4 %			19-122	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>		79.0 %			18-137	"	"	"	"	"

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0I0902 - EPA 3550B Solid Ext

Prepared: 09/09/10 Analyzed: 09/10/10

Blank (B0I0902-BLK1)

Acenaphthene	ND	0.33	mg/kg							
Acenaphthylene	ND	0.33	"							
Anthracene	ND	0.33	"							
Benzidine	ND	0.33	"							
Benzo (a) anthracene	ND	0.33	"							
Benzo (b) fluoranthene	ND	0.33	"							
Benzo (k) fluoranthene	ND	0.33	"							
Benzo (a) pyrene	ND	0.33	"							
Benzo (g,h,i) perylene	ND	0.33	"							
Benzyl alcohol	ND	0.33	"							
Bis(2-chloroethyl)ether	ND	0.33	"							
Bis(2-chloroethoxy)methane	ND	0.33	"							
Bis(2-ethylhexyl)phthalate	ND	0.33	"							
Bis(2-chloroisopropyl)ether	ND	0.33	"							
4-Bromophenyl phenyl ether	ND	0.33	"							
Butyl benzyl phthalate	ND	0.33	"							
4-Chloroaniline	ND	0.33	"							
2-Chlorophenol	ND	0.33	"							
4-Chloro-3-methylphenol	ND	0.33	"							
2-Chloronaphthalene	ND	0.33	"							
4-Chlorophenyl phenyl ether	ND	0.33	"							
Chrysene	ND	0.33	"							
Dibenz (a,h) anthracene	ND	0.33	"							
Dibenzofuran	ND	0.33	"							
1,3-Dichlorobenzene	ND	0.33	"							
1,2-Dichlorobenzene	ND	0.33	"							
1,4-Dichlorobenzene	ND	0.33	"							
3,3'-Dichlorobenzidine	ND	0.33	"							
2,4-Dichlorophenol	ND	0.33	"							
Diethyl phthalate	ND	0.33	"							
2,4-Dimethylphenol	ND	0.33	"							
Dimethyl phthalate	ND	0.33	"							
Di-n-butyl phthalate	ND	0.33	"							
2,4-Dinitrophenol	ND	0.33	"							
4,6-Dinitro-2-methylphenol	ND	0.33	"							
2,4-Dinitrotoluene	ND	0.33	"							
2,6-Dinitrotoluene	ND	0.33	"							

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Los Angeles County Dept. of Public Works
 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0I0902 - EPA 3550B Solid Ext

Blank (B0I0902-BLK1)

Prepared: 09/09/10 Analyzed: 09/10/10

Di-n-octyl phthalate	ND	0.33	mg/kg							
1,2-Diphenylhydrazine	ND	0.33	"							
Fluoranthene	ND	0.33	"							
Fluorene	ND	0.33	"							
Hexachlorobenzene	ND	0.33	"							
Hexachlorobutadiene	ND	0.33	"							
Hexachlorocyclopentadiene	ND	0.33	"							
Hexachloroethane	ND	0.33	"							
Indeno (1,2,3-cd) pyrene	ND	0.33	"							
Isophorone	ND	0.33	"							
2-Methylnaphthalene	ND	0.33	"							
2-Methylphenol	ND	0.33	"							
4-Methylphenol	ND	0.33	"							
Naphthalene	ND	0.33	"							
2-Nitroaniline	ND	0.33	"							
3-Nitroaniline	ND	0.33	"							
4-Nitroaniline	ND	0.33	"							
Nitrobenzene	ND	0.33	"							
2-Nitrophenol	ND	0.33	"							
4-Nitrophenol	ND	0.33	"							
N-Nitrosodimethylamine	ND	0.33	"							
Diphenylamine	ND	0.33	"							
N-Nitrosodi-n-propylamine	ND	0.33	"							
Pentachlorophenol	ND	0.33	"							
Phenanthrene	ND	0.33	"							
Phenol	ND	0.33	"							
Pyrene	ND	0.33	"							
1,2,4-Trichlorobenzene	ND	0.33	"							
2,4,5-Trichlorophenol	ND	0.33	"							
2,4,6-Trichlorophenol	ND	0.33	"							
<i>Surrogate: 2-Fluorophenol</i>	0.237		"	0.500		47.4	25-121			
<i>Surrogate: Phenol-d6</i>	0.435		"	0.500		87.0	24-113			
<i>Surrogate: Nitrobenzene-d5</i>	0.369		"	0.333		111	23-120			
<i>Surrogate: 2-Fluorobiphenyl</i>	0.325		"	0.333		97.6	30-115			
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.509		"	0.500		102	19-122			
<i>Surrogate: Terphenyl-d14</i>	0.359		"	0.333		108	18-137			

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 900 S. Fremont Ave.
 Alhambra CA, 91803

Project: NA
 Project Number: PCA #X2510957
 Project Manager: Oscar Enriquez

Reported:
 09/22/10 09:40

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0I0902 - EPA 3550B Solid Ext

LCS (B0I0902-BS1)

Prepared: 09/09/10 Analyzed: 09/10/10

Acenaphthene	0.244	0.33	mg/kg	0.333		73.3	47-145			
2-Chlorophenol	0.463	0.33	"	0.667		69.4	23-134			
4-Chloro-3-methylphenol	0.245	0.33	"	0.667		36.7	22-147			
1,4-Dichlorobenzene	0.207	0.33	"	0.333		62.2	20-124			
2,4-Dinitrotoluene	0.160	0.33	"	0.333		48.0	39-139			
4-Nitrophenol	0.196	0.33	"	0.667		29.4	0-132			
N-Nitrosodi-n-propylamine	0.206	0.33	"	0.333		61.9	0-230			
Pentachlorophenol	0.187	0.33	"	0.667		28.0	14-176			
Phenol	0.388	0.33	"	0.667		58.2	5-112			
Pyrene	0.227	0.33	"	0.333		68.2	52-115			
1,2,4-Trichlorobenzene	0.189	0.33	"	0.333		56.8	44-142			

Matrix Spike (B0I0902-MS1)

Source: 1009052-03

Prepared: 09/09/10 Analyzed: 09/10/10

Acenaphthene	0.272	0.33	mg/kg	0.333	ND	81.7	47-145			
2-Chlorophenol	0.555	0.33	"	0.667	ND	83.2	23-134			
4-Chloro-3-methylphenol	0.602	0.33	"	0.667	ND	90.3	22-147			
1,4-Dichlorobenzene	0.237	0.33	"	0.333	ND	71.2	20-124			
2,4-Dinitrotoluene	0.233	0.33	"	0.333	ND	70.0	39-139			
4-Nitrophenol	0.191	0.33	"	0.667	ND	28.6	0-132			
N-Nitrosodi-n-propylamine	0.241	0.33	"	0.333	ND	72.4	0-230			
Pentachlorophenol	0.200	0.33	"	0.667	ND	30.0	14-176			
Phenol	0.522	0.33	"	0.667	ND	78.3	5-112			
Pyrene	0.315	0.33	"	0.333	ND	94.6	52-115			
1,2,4-Trichlorobenzene	0.213	0.33	"	0.333	ND	64.0	44-142			

Matrix Spike Dup (B0I0902-MSD1)

Source: 1009052-03

Prepared: 09/09/10 Analyzed: 09/10/10

Acenaphthene	0.297	0.33	mg/kg	0.333	ND	89.2	47-145	8.79	30	
2-Chlorophenol	0.537	0.33	"	0.667	ND	80.5	23-134	3.30	30	
4-Chloro-3-methylphenol	0.581	0.33	"	0.667	ND	87.1	22-147	3.55	30	
1,4-Dichlorobenzene	0.253	0.33	"	0.333	ND	76.0	20-124	6.53	30	
2,4-Dinitrotoluene	0.266	0.33	"	0.333	ND	79.9	39-139	13.2	30	
4-Nitrophenol	0.189	0.33	"	0.667	ND	28.3	0-132	1.05	30	
N-Nitrosodi-n-propylamine	0.271	0.33	"	0.333	ND	81.4	0-230	11.7	30	
Pentachlorophenol	0.238	0.33	"	0.667	ND	35.7	14-176	17.4	30	
Phenol	0.502	0.33	"	0.667	ND	75.3	5-112	3.91	30	
Pyrene	0.352	0.33	"	0.333	ND	106	52-115	11.1	30	
1,2,4-Trichlorobenzene	0.275	0.33	"	0.333	ND	82.6	44-142	25.4	30	

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Los Angeles County Dept. of Public Works
900 S. Fremont Ave.
Alhambra CA, 91803

Project: NA
Project Number: PCA #X2510957
Project Manager: Oscar Enriquez

Reported:
09/22/10 09:40

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

APPENDIX C
PRELIMINARY ENVIRONMENTAL SITE SCREENING
AVENUE J OVER LITTLE ROCK CREEK

November 30, 2010

TO: Sree Kumar
Design Division

Attention Lukas Bradley

FROM: Greg Kelley *Greg Kelley*
Geotechnical and Materials Engineering Division

**PRELIMINARY ENVIRONMENTAL SITE SCREENING
AVENUE J OVER LITTLE ROCK CREEK, UNINCORPORATED LANCASTER
PROJECT ID RDC0014837 (PROJECT NO. X2510957)**

In response to your September 16, 2010, request, we have performed a preliminary environmental site screening for the subject project. It is our understanding that the project consists of a bridge replacement, 200 feet of approach on either end of the bridge, and regrading of the creek embankment.

Our preliminary environmental site screening included a site reconnaissance, review of aerial photographs and topographic maps, and searches of publicly available regulatory databases. Based on available information, the results of our screening identified evidence of historic agricultural land use in the project vicinity south of Avenue J and west of Little Rock Creek. However, the former agricultural land use area is located more than 100 feet from the proposed construction and is therefore not considered to be an environmental concern.

Note that our preliminary evaluation of the site conditions does not preclude that contamination may exist in subsurface soils at the site in areas that have not been identified as environmental concerns because: (1) contamination releases may not have been reported to the authorities, (2) contamination releases were not known to have occurred (such as product pipeline releases), or (3) data gaps exist in the referenced databases, historical photographs, or maps. There is also the possibility that site contamination may occur subsequent to our review. Additionally, if impacted soils are encountered during project construction, proper health and safety measures and appropriate contaminated material handling and disposal procedures should be implemented by the project contractor.

If you have any questions regarding this matter, please contact Geir Mathisen or Gerald Goodman at Extension 4923. To provide feedback on our services, please access <http://dpw.lacounty.gov/go/gmedsurvey> to complete a Customer Service Survey.

GRM:ss
P:\GMEPUB\SEC\GEOIN\PESS\AVE J OVER LITTLE ROCK CREEK

cc: Construction (Enriquez)
Programs Development (Dingman)

Additional Information



California Native Americans

Cultural Resources

Strategic Plan

Commissioners

Federal Laws and Codes

State Laws and Codes

Local Ordinances and Codes

Additional Information

Return to NAHC Home Page

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION

915 Capitol Mall, RM 364
Sacramento, CA 95814
(916) 653-4082
(916) 657-5390 – Fax
nahc@pacbell.net

Information Below is Required for a Sacred Lands File Search

Project: Avenue J over Littlerock Creek Bridge

County: Los Angeles

USGS Quadrangle

Name: Lapcaster East, California

Township 7N Range 11W Section(s) 14, 15, 22, 23, 16, 21

Company/Firm/Agency: Sappho's Environmental, Inc.

Contact Person: Marlise Fratinardo

Street Address: ~~222 California~~ 430 North Halstead St.

City: Pasadena Zip: 91107

Phone: 626-683-3547

Fax: 626-683-3548

Email: mfratinardo@sapphoenvironmental.com

Project Description:

Bridge Replacement project along Avenue J

Mr. David Singleton
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, California 95814

SUBJECT: Native American Sacred Sites Records Check

Dear Mr. Singleton:

Sapphos Environmental, Inc. hereby requests that a Native American Sacred Sites records check be conducted for the proposed Avenue J over Littlerock Creek Bridge Replacement Project (proposed project) within the County of Los Angeles (County), California. The County Department of Public Works (LACDPW) is seeking to replace the existing three-span timber bridge along Avenue J with a proposed new bridge. The existing bridge is 68 feet long and 26 feet wide and carries one lane of traffic in each direction, while the new bridge replacement would be 100 feet long and 40 feet wide. Sapphos Environmental, Inc. is requesting a records search of the proposed project area in its entirety, to ensure that all impact areas have been addressed.

The study area for the proposed project is located on the U.S. Geological Survey (USGS) 7.5-minute series Lancaster East, California, topographic quadrangle (Enclosure 1, *7.5-minute Lancaster East, California, Quadrangle Map*).¹ The proposed project is located on Avenue J between 55th and 60th Street in the community of Littlerock in the unincorporated County of Los Angeles; the surrounding project area is split between the unincorporated area of the County of Los Angeles to the north and the City of Lancaster to the south. State Route (SR) 58 is approximately 22.6 miles to the north, SR 18 (Mojave Freeway) is approximately 46 miles to the east, and SR 14 (Antelope Valley Freeway) and SR 138 (West Avenue D) are approximately 8.3 miles to the west.

Corporate Office:

430 North Halstead Street
Pasadena, CA 91107
TEL 626.683.3547
FAX 626.683.3548

Regional Office:

1351 4th Street, Suite 227
Santa Monica, CA 90401
TEL 310.260.1520
FAX 310.260.1521

Billing Address:

P.O. Box 655
Sierra Madre, CA 91025

Web site:

www.sapphosenvironmental.com

¹ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

Mr. David Singleton
Avenue J over Littlerock Creek Bridge Replacement Project
July 23, 2010
Page 2

Thank you for your assistance. Sapphos Environmental, Inc. looks forward to receiving the results of the Native American Sacred Sites Records Check. If there are questions or concerns, please feel free to contact Ms. Marlise Fratinardo via phone or e-mail at mfratinardo@sapphosenvironmental.com.

Respectfully Submitted,

SAPPHOS ENVIRONMENTAL, INC.



Marlise Fratinardo
Senior Cultural Resources Coordinator

MXF/mxf

Enclosure: 1. 7.5-minute Lancaster East, California, Quadrangle Map

ENCLOSURE 1
7.5-MINUTE LANCASTER EAST, CALIFORNIA,
QUADRANGLE MAP

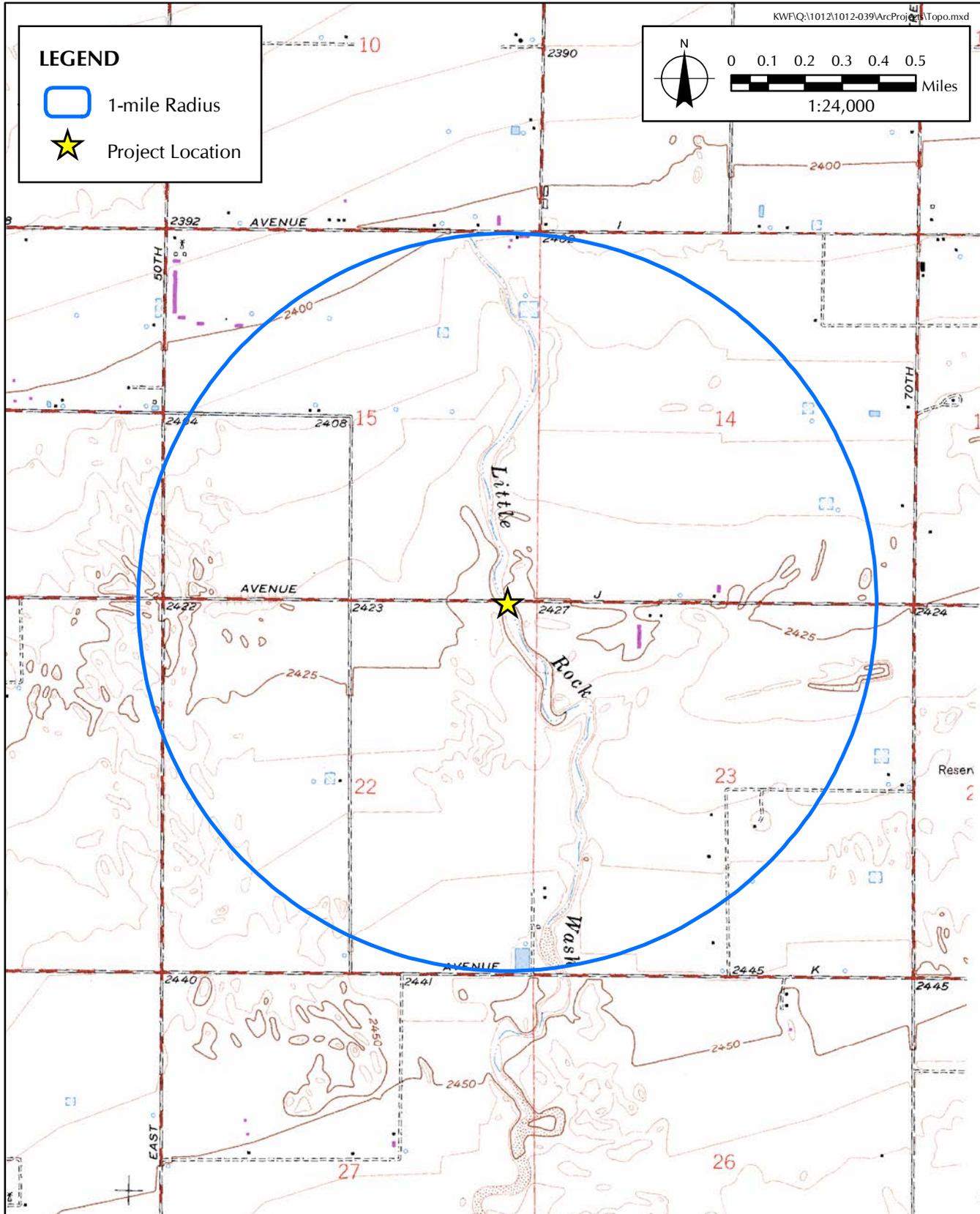


FIGURE 1

7.5-minutes Lancaster East Quadrangle Map

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



August 4, 2010

Ms. Marlise Fratinardo, Senior Cultural Resources Coordinator
Sapphos Environmental Inc.
430 North Halstead Street
Pasadena, CA 91107

Sent by FAX TO: 626-683-3548
No. of Pages: 4

Re: Request for a Sacred Lands File Search and Native American Contacts List for the proposed "Avenue J over Littlrock Creek Bridge Project" located in northeastern Los Angeles County, California

Dear Ms. Fratinardo:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources. The NAHC SLF search, did not indicate the presence of Native American cultural resources within one-half mile of the proposed project sites (APEs). However, there are Native American cultural resources in close proximity to the 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. State law addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amended in 2009) 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 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.' In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect.

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 consider this list as it may contain updated information and 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 916-653-7272, for referral to the nearest Information Center of which there are 10.

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 *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 Interiors 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.

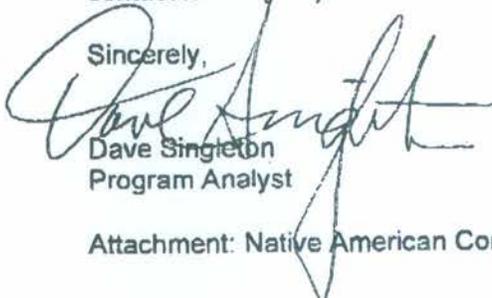
Also, Public Resources Code Section 5097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing 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. Also, 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 with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e).

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 under Section 304 of the NHA 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 possibility 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

Attachment: Native American Contact List

**Native American Contacts
Los Angeles County
August 4 2010**

Charles Cooke
32835 Santiago Road
Acton , CA 93510

(661) 733-1812 - cell
suscol@intox.net

Chumash
Fernandeno
Tataviam
Kitanemuk

Kitanemuk & Yowlumne Tejon Indians
Delia Dominguez
981 N. Virginia
Covina , CA 91722
(626) 339-6785

Yowlumne
Kitanemuk

Beverly Salazar Folkes
1931 Shadybrook Drive
Thousand Oaks, CA 91362
805 492-7255
(805) 558-1154 - cell
folkes9@msn.com

Chumash
Tataviam
Fernandeño

San Fernando Band of Mission Indians
John Valenzuela, Chairperson
P.O. Box 221838
Newhall , CA 91322
tsen2u@hotmail.com
(661) 753-9833 Office
(760) 885-0955 Cell
(760) 949-1604 Fax

Fernandeño
Tataviam
Serrano
Vanyurne
Kitanemuk

Fernandeno Tataviam Band of Mission Indians
William Gonzales, Cultural/Environ Depart/Rudy Ortega
601 South Brand Boulevard, Suite 102
San Fernando CA 91340
rortega@tataviam-nsn.us
(818) 837-0794 Office

(818) 837-0796 Fax

Fernandeno
Tataviam

Randy Guzman - Folkes
655 Los Angeles Avenue, Unit E
Moorpark , CA 93021
ndnRandy@yahoo.com
(805) 905-1675 - cell

Chumash
Fernandeño
Tataviam
Shoshone Paiute
Yaqui

LA City/County Native American Indian Comm
Ron Andrade, Director
3175 West 6th Street, Rm.
Los Angeles , CA 90020
randrade@css.lacounty.gov
(213) 351-5324
(213) 386-3995 FAX

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

Serrano

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 108 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 Avenue J over Littlerock Creek Bridge; located in the Lancaster area; Los Angeles County, California for which a Sacred Lands File search and native American Contacts list were requested.

Native American Contacts
Los Angeles County
August 4 2010

Kern Valley Indian Council
Robert Robinson, Historic Preservation Officer
P.O. Box 401 Tubatulabal
Weldon, CA 93283 Kawaiisu
brobinson@iwvisp.com Koso
(760) 378-4575 (Home) Yokuts
(760) 549-2131 (Work)

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 Avenue J over Little Rock Creek Bridge; located in the Lancaster area; Los Angeles County, California for which a Sacred Lands File search and native American Contacts list were requested.

Transaction Report

Reception

Transaction(s) completed

No.	TX	Date/Time	Destination	Duration	P. #	Result	Mode
398	AUG-04	14:09	916 657 5390	0*00'43"	004	OK	N ECM

***APPENDIX E
MEMORANDUM FOR THE RECORD 3:
RESPONSE TO COMMENTS***

November 14, 2012
Job Number: 1012-039
Avenue J over Little Rock Creek Bridge Replacement Project

MEMORANDUM FOR THE RECORD

2.6 1012-039.M03

TO: County of Los Angeles, Department of Public Works
(Ms. Reyna Soriano)

FROM: Sapphos Environmental, Inc.
(Ms. Marie Campbell and Ms. Leanna Guillermo)

SUBJECT: Response to Comments on the Avenue J over Little Rock
Creek Bridge Replacement Project Initial Study / Draft
Negative Declaration

ATTACHMENT: 1. Comments and Responses to Comments

EXECUTIVE SUMMARY

This Memorandum for the Record (MFR) documents the comments received during the public review period for the proposed Avenue J over Little Rock Creek Bridge Replacement Project (proposed project). The public review period commenced on September 10, 2012 and closed on October 10, 2012. Three written letters of comment from the California Department of Fish and Game, Native American Heritage Commission, and Lahontan Regional Water Quality Control Board were received. Sapphos Environmental, Inc. recorded and responded to all comments received, which will be addressed in the final Initial Study / Negative Declaration for the proposed project (Attachment 1, *Comments and Responses to Comments*).

Corporate Office:
430 North Halstead Street
Pasadena, CA 91107
TEL 626.683.3547
FAX 626.683.3548

Billing Address:
P.O. Box 655
Sierra Madre, CA 91025

Web site:
www.sapphosenvironmental.com

ATTACHMENT 1
COMMENTS AND RESPONSES TO COMMENTS

ATTACHMENT 1

COMMENTS AND RESPONSES TO COMMENTS

Presented in this attachment are responses to the comments submitted during the public review period for the Initial Study / Draft Negative Declaration regarding the proposed Avenue J over Little Rock Creek Bridge Replacement Project (proposed project). The Los Angeles County Department of Public Works (County) has responded to all comments pursuant to the State of California Environmental Quality Act (CEQA) Guidelines. A copy of each comment letter is also provided.

**California Department of Fish and Wildlife (formerly California Department of Fish and Game)
 South Coast Region
 3883 Ruffin Road
 San Diego, California 92123**

Comment No. Response

- 1-1 The County acknowledges the potential for changed circumstances with respect to burrowing owl. The County shall comply with the California Endangered Species Act as needed. All necessary state approvals will be obtained prior to construction activities.
- 1-2 The County shall comply with the Migratory Bird Treaty Act in one of three manners: (1) avoid construction during the breeding season; (2) remove all potential suitable habitat outside the breeding season, such that there is no suitable nesting habitat available in the proposed project area during the breeding season; or (3) if potentially suitable breeding habitat is present within the proposed project site and construction needs to be initiated during the breeding season, monitoring and avoidance shall be undertaken consistent with the provisions of the comments provided by the California Department of Fish and Wildlife (CDFW).
- 1-3 Preconstruction biological surveys will be conducted by a qualified biologist during the appropriate season to ensure bat roosts or nurseries are not found in the project area.
- 1-4 The County is currently preparing written notification to the CDFW pursuant to Section 1602 of the Fish and Game Code in support of the proposed project. The following will be added to Section 1.0, *Project Description*: "The County of Los Angeles Department of Public Works is currently preparing the notification of Lake or Streambed Alteration and Waste Discharge Requirement Application Form for the proposed project."

**TABLE 1
 REQUIRED APPROVALS/REGULATIONS**

Permit / Approval / License Title	Agency/Program	Approval Status
Lake and Streambed Alteration Agreement (1602 Permit)	California Department of Fish and Wildlife	Pending
Waste Discharge Requirement Application Form	Lahontan Regional Water Quality Control Board	Pending

**Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, California 95814**

Comment No. Response

- 2-1 Thank you for your comments. The Draft IS/ND included a thorough analysis of this issue. Page 3.5-2 of the IS/ND states, "Coordination was also undertaken with the Native American Heritage Commission (NAHC) to ascertain the presence of known Native American sacred sites. According to NAHC,¹ no Native American cultural resources have been recorded in the Sacred Lands File on or within 0.5 mile of the proposed project." The finding in the document is consistent with comment 2-1.
- 2-2 The Draft IS/ND included an outreach effort to the Native American Heritage Commission (see Appendix D of IS/ND, *Cultural Resources Coordination*). Page 3.5-2 of the Draft IS/ND states, "Coordination was also undertaken with the Native American Heritage Commission (NAHC) to ascertain the presence of known Native American sacred sites. According to NAHC,² no Native American cultural resources have been recorded in the Sacred Lands File on or within 0.5 mile of the proposed project. Letters requesting information regarding properties of religious and cultural significance have been transmitted to nine Native American contacts recommended by NAHC; to date, no replies have been received." The following sentence will be added to this section of the final IS/ND: "As no letters have been received, no letters have provided data or concern about the development of the site, with regard to historic resources." All Native American contacts provided by the Native American Heritage Commission were contacted.
- 2-3 All Native American contacts provided by the Native American Heritage Commission were provided pertinent information regarding the proposed project. Information and correspondence can be found in Section 3.5, *Cultural Resources*, of the Draft IS/ND.
- 2-4 The Draft IS/ND analyzed the historical background of the proposed project, including the landscape. Information and correspondence regarding the historical context and cultural landscape of the proposed project can be found in Section 3.5, *Cultural Resources*, of the Draft IS/ND.
- 2-5 Page 3.5-4 of the Draft IS/ND states, "Since there are no known burial sites within the proposed project site and only a small area and volume of dirt would be excavated (1,400 cubic yards), the potential disruption of human remains from an unanticipated discovery during ground-disturbing activities is unlikely; however, the project description incorporates project features and best management practices, which would ensure that impacts would remain less than significant." The proposed project includes provisions for accidental discovery of human remains. The County is aware of the state's statute requiring immediate notification of the County coroner

¹ Singleton, Dave, Native American Heritage Commission, Sacramento, California. 4 August 2010. Letter to Marlise Fratinaro, Sapphos Environmental, Inc., Pasadena, CA.

² Singleton, Dave, Native American Heritage Commission, Sacramento, California. 4 August 2010. Letter to Marlise Fratinaro, Sapphos Environmental, Inc., Pasadena, CA.

if human remains are discovered. Therefore, that requirement will be included in all project plans and specifications.

2-6 Page 3.5-4 of the Draft IS/ND states, "The results of the archaeological record search, review of historic maps,³ and the Native American Heritage Commission Sacred Lands File search,⁴ indicate that no historic period or known Native American burial grounds are located within the area of the proposed project.⁵ While there are no known burial sites within the proposed project site, and only a small area and volume of dirt would be excavated (1,400 cubic yards), the potential disruption of human remains from an unanticipated discovery during ground-disturbing activities is unlikely; however, the project description incorporates project features and best management practices, which would ensure that impacts would remain less than significant."

³ U.S. Geological Survey. 1974. 7.5-Minute Series, Lancaster East, California, Topographic Quadrangle. Reston, VA.

⁴ Singleton, Dave, Native American Heritage Commission, Sacramento, California. 4 August 2010. Letter to Marlise Fratinardo, Sapphos Environmental, Inc., Pasadena, CA.

⁵ The NAHC has provided a list of nine Native American culturally affiliated tribes and individuals for consultation. There have been no replies received from these individuals as of August 12, 2010.

Lahontan Regional Water Quality Control Board
14440 Civic Drive, Suite 200
Victorville, CA 92392

Comment No. Response

- 3-1 Thank you for your comments. Page 3.9-2 of the Draft IS/ND states, "Construction of the proposed project would require various ground-disturbing activities to be carried out within the streambed and banks for Little Rock Creek. It is anticipated that the proposed project would require approximately 1,400 cubic yards (cy) of excavation, 1,200 cy of export, and 450 cy of imported material for rip-rap." Therefore, the land disturbance of the proposed project would not be more than one-acre and would not require a CWA, section 402(p) stormwater permits, including a National Pollutant Discharge Elimination System (NPDES) General Construction Stormwater Permit, or an individual stormwater permit. The following sentence will be added to this section of the final IS/ND: "As the proposed project would not exceed a land disturbance of more than one-acre, a CWA, section 402(p) stormwater permits, including a National Pollutant Discharge Elimination System (NPDES) General Construction Stormwater Permit, or an individual stormwater permit are not needed for the proposed project."
- 3-2 No water diversion and/or dewatering activities would occur as a result of the proposed project. Page 3.9-4 of the Draft IS/ND states, "The construction of the proposed project is scheduled to occur during the dry season when there would be little or no water flow in Little Rock Creek. As noted above, the proposed project would be required to implement best management practices (BMPs)⁶ that would minimize the potential construction impacts that would cause degradation of water quality." The following sentences will be added to this section of the final IS/ND: "The proposed project would not cause water diversion and/or dewatering activities. As a result, the proposed project is not subject to discharge and monitoring requirements under NPDES."
- 3-3 Page 3.9-1 of the Draft IS/ND states, "The proposed project contractor would implement BMPs⁷ that meet the requirements of responsible agencies to reduce or eliminate discharges to Little Rock Creek, which would include conducting bridge construction during the dry season when there is no stream flow. The contractor for the proposed project would be required to meet all permitted discharge requirements from responsible agencies. The proposed bridge would be designed to avoid and minimize the potential for post-construction erosion of the drainage features of Little Rock Creek in accordance with the recommendations in the proposed projects' Geotechnical Investigation⁸ completed by the County of Los

⁶ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

⁷ California Department of Transportation. March 2003. *Construction Site Best Management Practices Manual*. Available at: http://www.dot.ca.gov/hq/construc/stormwater/CSBMPM_303_Final.pdf

⁸ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

Angeles Department of Public Works.⁹ Fill material would be the result of the proposed project due to piers. New piers and riprap will be considered in the Streambed Alteration Agreement and Waste Discharge Requirements Application Form for the proposed project. The following sentences will be added to this section of the final IS/ND: "The County of Los Angeles Department of Public Works is currently preparing the notification of Lake or Streambed Alteration Agreement and the Waste Discharge Application Form for the proposed project."

- 3-4 Discharge of fill material would be the only activity that would require a permit as discussed in the above response 3-3. The County of Los Angeles Department of Public Works is currently preparing a Waste Discharge Requirements Application Form for the proposed project.
- 3-5 No water diversion and/or dewatering activities are anticipated to occur as a result of the proposed project. Page 3.9-4 of the Draft IS/ND states, "The construction of the proposed project is scheduled to occur during the dry season when there would be little or no water flow in Little Rock Creek. As noted above, the proposed project would be required to implement BMPs¹⁰ that would minimize the potential construction impacts that would cause degradation of water quality." The following sentences will be added to this section of the final IS/ND: "Additionally, as the proposed project would not cause water diversion, no detailed water diversion plan is needed for the proposed project. BMPs listed in Section 1.0, *Project Description*, would minimize the potential construction impacts that would cause degradation of water quality." Dewatering is not needed as no groundwater is expected to be encountered due to the depth of the groundwater.
- 3-6 Page 3.9-1 of the Draft IS/ND states, "The Regional Water Quality Control Board Lahontan Basin Plan lists present and potential beneficial uses for Little Rock Creek including municipal or domestic water supply, ground water recharge, contact and non-contact recreation, commercial and sport fishing, and cold water habitat and wildlife habitat. The construction of the replacement bridge could contribute to erosion, sediment-laden runoff, discharge of storm water runoff from the proposed project work area and other water quality-related events that would violate water quality standards or waste discharge requirements. The proposed project contractor would implement best management practices (BMPs)¹¹ that meet the requirements of responsible agencies to reduce or eliminate discharges to Little Rock Creek, which would include conducting bridge construction during the dry season when there is no stream flow." The finding in the document is consistent with comment 3-6.
- 3-7 The BMPs for the proposed project listed in Section 1.0, *Project Description*, would reduce or eliminate exceedances of any applicable water quality objective. The following sentences will be added to Section 3.9, *Hydrology and Water Quality*:

⁹ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹⁰ County of Los Angeles Department of Public Works. 3 December 2009. *Geotechnical Investigation, Avenue J over Little Rock Creek—Bridge No. 963*.

¹¹ California Department of Transportation. March 2003. *Construction Site Best Management Practices Manual*. Available at: http://www.dot.ca.gov/hq/construc/stormwater/CSBMPM_303_Final.pdf

"BMPs would also reduce or eliminate exceedances of any applicable water quality objective in regards to chemical constituents, oil and grease, pH, sediment, temperature, and turbidity."

- 3-8 Page 1–3 of the Draft IS/ND states, "Employees would report to a designated construction staging area at the beginning of each workday. This staging area is anticipated to be along the roadside (in the existing ROW) where ample road shoulder room presently exists." Additionally, Page 1–4 states, "To the extent feasible, employee vehicles, construction equipment and vehicles, and storage and materials used throughout the proposed project area would be located in the staging area along the large ROW on the south side of East Avenue J." The finding in the document is consistent with comment 3-8.
- 3-9 Page 3.18-2 of the Draft IS/ND states, "Impacts related to the construction of the proposed project would be temporary; the implementation of the project features and BMPs listed in Section 1.0, would reduce these impacts. In addition, the proposed project would result in less than significant operational impacts due to the fact that the proposed project entails replacement of an existing bridge." The following sentence will be added to this section of the final IS/ND: "All temporary impacts as a result of construction of the proposed project would be restored to pre-project conditions with incorporation of the BMPs listed in Section 1.0, *Project Description*."
- 3-10 Page 1–5 of the Draft IS/ND states, "The following project features and BMPs have been included as part of the proposed project to ensure that potential project impacts remain minimal and less than significant." Additionally, Page 3.18-2 states, "The proposed project would not be expected to result in significant impacts to agricultural resources, aesthetics, air quality, biological resources, cultural resources, greenhouse gases, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, traffic and transportation, and/or utilities and service systems. These impacts would not be considered substantial to human beings as they would be limited and below the level of significance." The findings in the document are consistent with comment 3-10.



South Coast Region
3883 Ruffin Road
San Diego, CA 92123
(858) 467-4201
<http://www.dfg.ca.gov>

October 10, 2012

Ms. Reyna Soriano
County of Los Angeles Department of Public Works
900 South Fremont Avenue
Alhambra, CA 91803

Subject: Draft Negative Declaration for Avenue J Bridge Replacement Over Littlerock Creek, Los Angeles County, SCH # 2012091022

Dear Ms. Soriano:

The Department of Fish and Game (Department) has reviewed the Draft Initial Study (DIS) and Negative Declaration for a project that would replace an existing Avenue J Street, three-span timber bridge over Littlerock Creek located north of the City of Lancaster in unincorporated Los Angeles County in the Antelope Valley. The existing bridge is approximately 68 feet long by 26 feet wide and carries one lane of traffic in each direction. The new bridge replacement would be approximately 104 feet long by 40 feet wide. In addition, Avenue J would be improved and resurfaced for a distance of approximately 200 additional feet beyond the bridge at each end. The new bridge would be constructed out of cast-in-place concrete slab and would be supported on columns.

The project site and surrounding area is heavily disturbed from agricultural and off road vehicle use and supports some exotic and native Mojave Desert scrub. Project disturbances will be confined to the existing roadway, disturbed shoulder rights-of-way along Avenue J, and disturbed portions within the banks and bed of Little Rock Creek. The work is proposed to take place during the dry season and proceed for several months.

The California Wildlife Action Plan, a recent Department guidance document, identified the following stressors affecting wildlife and habitats within the project area: 1) growth and development; 2) water management conflicts and degradation of aquatic ecosystems; 3) invasive species; 4) altered fire regimes; and 5) recreational pressures. Please let Department staff know if you would like a copy of the California Wildlife Action Plan to review.

The Department is California's Trustee Agency for fish and wildlife resources, holding these resources in trust for the People of the State pursuant to various provisions of the California Fish and Game Code. (Fish & G. Code, §§ 711.7, subd. (a), 1802.) The Department submits these comments in that capacity under the California Environmental Quality Act (CEQA). (See generally Pub. Resources Code, §§ 21070; 21080.4.) Given its related permitting authority under the California Endangered Species Act (CESA) and Fish and Game Code section 1600 *et seq.*, the Department also submits these comments likely as a Responsible Agency for the project under CEQA. (*Id.*, § 21069.)

1. **Impacts to Special Status Species** – The DIS states that the project does not support special status plant and wildlife species based upon a habitat suitability site assessment. The Department has the following recommendations in relation to special status species:

1-1 a. Burrowing Owl - The Department recommends that surveys be conducted for burrowing owl (*Athene cunicularia*) because the DIS states that the negative survey results for this species was based upon the last survey effort conducted in July of 2010. Burrowing owl may have colonized the project site over the two year period since the survey was conducted and so current surveys are warranted. Appropriate avoidance and mitigation measures should also be provided in the environmental document if updated burrowing owl survey results are positive for the project site. Burrowing owl surveys and any subsequent avoidance and mitigation measures for burrowing owl and occupied habitat should follow the recommended protocol described in the 2012 *Staff Report on Burrowing Owl Mitigation* which may be accessed using the following Department website: <http://www.dfg.ca.gov/wildlife/nongame/docs/BUOWStaffReport.pdf>.

1-2 b. Native Birds - The project will result in the removal of an existing timber bridge and ground disturbances and therefore may adversely impact native birds. Migratory nongame native bird species are protected by international treaty under the Federal Migratory Bird Treaty Act (MBTA) of 1918 (50 C.F.R. Section 10.13). Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests including raptors and other migratory nongame birds (as listed under the Federal MBTA).

Proposed project activities (including, but not limited to, staging and disturbances to native and nonnative vegetation, structures, and substrates) should occur outside of the avian breeding season which generally runs from March 1-August 31 (as early as January 1 for some raptors) to avoid take of birds or their eggs. Take means to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill (Fish and Game Code Section 86), and includes take of eggs and/or young resulting from disturbances which cause abandonment of active nests. Depending on the avian species present, a qualified biologist may determine that a change in the breeding season dates is warranted.

If avoidance of the avian breeding season is not feasible, the Department recommends that, beginning thirty days prior to the initiation of project activities, a qualified biologist with experience in conducting breeding bird surveys conduct weekly bird surveys to detect protected native birds occurring in suitable nesting habitat that is to be disturbed and (as access to adjacent areas allows) any other such habitat within 300 feet of the disturbance area (within 500 feet for raptors). The surveys should continue on a weekly basis with the last survey being conducted no more than 3 days prior to the initiation of project activities. If a protected native bird is found, the project proponent should delay all project activities within 300 feet of on-site and off-site suitable nesting habitat (within 500 feet for suitable raptor nesting habitat) until August 31. Alternatively, the qualified biologist could continue the surveys in order to locate any nests. If an active nest is located, project activities within 300 feet of the nest (within 500 feet for raptor nests) or as determined by a qualified biological monitor, must be postponed until the nest is vacated and juveniles have fledged and there is no evidence of a second attempt at nesting. Flagging, stakes, and/or construction fencing should be used to demarcate the inside boundary of the buffer of 300 feet (or 500 feet) between the project activities and the nest. Project personnel, including all contractors working on site, should be instructed on the sensitivity of the area. The project proponent should provide the [CEQA lead agency] the results of the recommended protective measures described above to document compliance with applicable State and Federal laws pertaining to the protection of native birds.

If the biological monitor determines that a narrower buffer between the project activities and observed active nests is warranted, he/she should submit a written explanation as to why (e.g., species-specific information; ambient conditions and birds' habituation to them; and the terrain, vegetation, and birds' lines of sight between the project activities and the nest and foraging areas) to the Los Angeles County Department of Public Works (LACDPW) and, upon request, the Department. Based on the submitted information, the LACDPW (and the Department, if the Department requests) will determine whether to allow a narrower buffer.

The biological monitor shall be present on site during all grubbing and clearing of vegetation to ensure that these activities remain within the project footprint (*i.e.*, outside the demarcated buffer) and that the flagging/stakes/fencing is being maintained, and to minimize the likelihood that active nests are abandoned or fail due to project activities. The biological monitor shall send weekly monitoring reports to the LACDPW during the grubbing and clearing of vegetation, and shall notify the LACDPW immediately if project activities damage active avian nests.

1-3

- c. **Bats** - The project will result in demolition of a timber bridge structure and therefore may adversely impact bats residing within the bridge. Bats are considered non-game mammals and are afforded protection by state law from take and/or harassment, (Fish and Game Code Section 4150, California Code of Regulations, Section 251.1). Several bat species are also considered California Species of Special Concern (SSC) and meet the CEQA definition of rare, threatened or endangered species (CEQA Guidelines 15065). Take of SSC could require a mandatory finding of significance by the Lead Agency, (CEQA Guidelines 15065).

The Department recommends avoiding disturbances to bridge structures rock crevices, tree cavities and other bat nursery and roosting habitat between March 1 and September 15 to avoid the breeding season for bats unless preconstruction surveys are conducted by a qualified biologist and no bat roosts or nurseries are found within the project area.

1-4

2. **Impacts to Jurisdictional Drainages** - The DIS states that work within the bed and banks of Littlerock Creek is proposed during project construction including excavation and the placement of riprap.

The Department has regulatory authority with regard to activities occurring in streams and/or lakes that could adversely affect any fish or wildlife resource. For any activity that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of a river or stream or use material from a streambed, the project applicant (or "entity") must provide written notification to the Department pursuant to Section 1602 of the Fish and Game Code. Based on this notification and other information, the Department then determines whether a Lake and Streambed Alteration Agreement (LSAA) is required. The Department's issuance of an LSAA is a project subject to CEQA. To facilitate issuance of an Agreement, if necessary, the environmental document should fully identify the potential impacts to the lake, stream or riparian resources and provide adequate avoidance, mitigation, monitoring and reporting commitments for issuance of the Agreement. Early consultation is recommended, since modification of the proposed project may be required to avoid or reduce impacts to fish and wildlife resources. Again, the failure to include this analysis in the project environmental document could preclude the Department from relying on the

Lead Agency's analysis to issue an LSAA without the Department first conducting its own, separate Lead Agency subsequent or supplemental analysis for the project. Further information on the Department's Lake and Streambed Alteration Program and initiating a Department streambed jurisdiction determination may be found at: www.dfg.ca.gov/1600/index.html.

The Department recommends that the lead agency address the Department's concerns within a mitigated negative declaration.

Thank you for this opportunity to provide comments. Please contact Mr. Scott Harris, Environmental Scientist at (626) 797-3170 if you should have any questions and for further coordination on the proposed project.

Sincerely,



Leslie MacNair
Environmental Program Manager
South Coast Region

cc: Department of Fish and Game
Ms. Leslie MacNair, Laguna Hills
Ms. Terri Dickerson, Laguna Niguel
Ms. Kelly Schmoker, Laguna Hills
Mr. Scott Harris, Pasadena

State Clearinghouse, Sacramento

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



September 25, 2012

Ms. Reyna Soriano, P.E.

Los Angeles County Department of Public Works

900 South Fremont Avenue
Alhambra, CA 91803-1331

Re: SCH#2012091022; CEQA Notice of Completion; proposed Negative Declaeration; for the "Avenue J over Little Creek Bridge Replacement Project;" located in the Lancaster area; Los Angeles County, California

Dear Ms. Soriano:

The Native American Heritage Commission (NAHC) is the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources pursuant to California Public Resources Code §21070 and affirmed by the Third Appellate Court in the case of EPIC v. Johnson (1985: 170 Cal App. 3rd 604).

This letter includes state and federal statutes relating to Native American historic properties or resources of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amendments effective 3/18/2010) 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 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.' In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC recommends that the lead agency request that the NAHC do a Sacred Lands File search as part of the careful planning for the proposed project.

2-1

The NAHC "Sacred Sites," as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254 (r).

2-2

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural

2-3 significance of the historic properties in the project area (e.g. APE). We strongly urge that you make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to obtain their recommendations concerning the proposed project. Pursuant to CA Public Resources Code § 5097.95, the NAHC requests cooperation from other public agencies in order that the Native American consulting parties be provided pertinent project information. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). Pursuant to CA Public Resources Code §5097.95, the NAHC requests that pertinent project information be provided consulting tribal parties, including archaeological studies. The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy Native American cultural resources and California Public Resources Code Section 21083.2 (Archaeological Resources) that requires documentation, data recovery of cultural resources, construction to avoid sites and the possible use of covenant easements to protect sites.

2-4 Furthermore, the NAHC if the proposed project is under the jurisdiction of the statutes and regulations of the National Environmental Policy Act (e.g. NEPA; 42 U.S.C. 4321-43351). Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq*), 36 CFR Part 800.3 (f) (2) & .5, 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 Interiors 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. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation. The aforementioned Secretary of the Interior's *Standards* include recommendations for all 'lead agencies' to consider the historic context of proposed projects and to "research" the cultural landscape that might include the 'area of potential effect.'

Confidentiality of "historic properties of religious and cultural significance" should also be considered as protected by California Government Code §6254(r) and may also be protected under Section 304 of he 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 APEs and possibility threatened by proposed project activity.

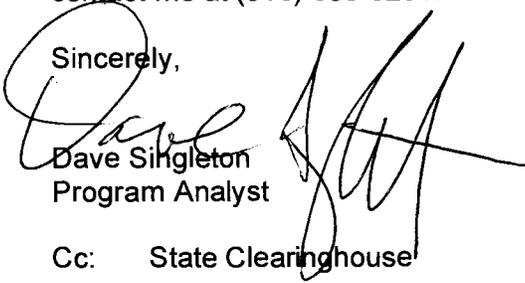
2-5 Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for inadvertent discovery of human remains mandate the processes to be followed in the event of a discovery of human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing 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.

2-6 Finally, when Native American cultural sites and/or Native American burial sites are prevalent within the project site, the NAHC recommends 'avoidance' of the site as referenced by CEQA Guidelines Section 15370(a).

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

Sincerely,

A handwritten signature in black ink, appearing to read "Dave Singleton". The signature is written in a cursive style with a large initial "D" and "S".

Dave Singleton
Program Analyst

Cc: State Clearinghouse

Attachment: Native American Contact List

**Native American Contacts
Los Angeles County
September 25, 2012**

Beverly Salazar Folkes
1931 Shadybrook Drive
Thousand Oaks, CA 91362
folkes@msn.com
805 492-7255
(805) 558-1154 - cell

Chumash
Tataviam
Fernandeño

San Fernando Band of Mission Indians
John Valenzuela, Chairperson
P.O. Box 221838
Newhall, CA 91322
tsen2u@hotmail.com
(661) 753-9833 Office
(760) 885-0955 Cell
(760) 949-1604 Fax

Fernandeño
Tataviam
Serrano
Vanyume
Kitanemuk

Fernandeno Tataviam Band of Mission Indians
Ronnie Salas, Cultural Preservation Department
1019 - 2nd Street, Suite #1
San Fernando CA 91340
rsalas@tataviam-nsn.gov
(818) 837-0794 Office

Fernandeno
Tataviam

Randy Guzman - Folkes
6471 Cornell Circle
Moorpark, CA 93021
ndnRandy@yahoo.com
(805) 905-1675 - cell

Chumash
Fernandeño
Tataviam
Shoshone Paiute
Yaqui

(818) 837-0796 Fax

LA City/County Native American Indian Comm
Ron Andrade, Director
3175 West 6th St, Rm. 403
Los Angeles, CA 90020
randrade@css.lacounty.gov
(213) 351-5324
(213) 386-3995 FAX

San Manuel Band of Mission Indians
Ann Brierty, Policy/Cultural Resources Department
26569 Community Center Drive
Highland, CA 92346
(909) 864-8933, Ext 3250
abrierty@sanmanuel-nsn.gov
(909) 862-5152 Fax

Serrano

Kitanemuk & Yowlumne Tejon Indians
Delia Dominguez, Chairperson
115 Radio Street
Bakersfield, CA 93305
deedominguez@juno.com
(626) 339-6785

Yowlumne
Kitanemuk

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

Distribution of this list does not relieve any person of the 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 applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2012091022; CEQA Notice of Completion; proposed Negative Declaration for the Avenue J over Little Rock Creek Bridge Replacement Project; located in the Lancaster area of Los Angeles County, California.

Lahontan Regional Water Quality Control Board

October 11, 2012

File: Environmental Doc Review
Los Angeles County

Reyna Soriano
County of Los Angeles
Department of Public Works
900 South Fremont Avenue
Pasadena, CA 91803-1331
Email: rsoriano@dpw.lacounty.gov

COMMENTS ON THE INITIAL STUDY AND PROPOSED MITIGATED NEGATIVE DECLARATION FOR THE AVENUE J OVER LITTLE ROCK CREEK BRIDGE REPLACEMENT PROJECT, STATE CLEARINGHOUSE NUMBER 2012091022

The California Regional Water Quality Control Board, Lahontan Region (Water Board) staff received the Initial Study and Proposed Mitigated Negative Declaration (IS/MND) for the above-referenced project (Project) on September 14, 2012. The IS/MND was prepared by Sapphos Environmental on behalf of the County of Los Angeles, Department of Public Works (County) and submitted in compliance with provisions of the California Environmental Quality Act (CEQA). The proposed Project is to replace the existing timber bridge that crosses Avenue J over Little Rock Creek. The proposed bridge structure is a cast-in-place concrete slab supported by columns. Rip-rap would be placed within the creek and along the banks to protect against scour. The new structure would not involve expansion of the existing lane capacity of the roadway.

Water Board staff, acting as a responsible agency, is providing these comments to specify the scope and content of the environmental information germane to our statutory responsibilities pursuant to CEQA Guidelines, California Code of Regulations (CCR), title 14, section 15096. We hope that the County will consider our comments and value our position with respect to protecting and maintaining water quality in the Lahontan Region.

Authority

All groundwater and surface waters are considered waters of the State. Surface waters include, but are not limited to, drainages, streams, washes, ponds, pools, or wetlands, and may be permanent or intermittent, either natural or manmade, and may or may not be identified as "blue-line streams" on published topographic maps. All waters of the State are protected under California law. State law assigns responsibility for protection of water quality in the Lahontan Region to the Lahontan Water Board. Some waters of the State are also waters of the U.S. The Federal Clean Water Act (CWA) provides additional protection for those waters of the State that are also waters of the U.S.

The *Water Quality Control Plan for the Lahontan Region* (Basin Plan) contains policies that the Water Board uses with other laws and regulations to protect the quality of waters of the State within the Lahontan Region. The Basin Plan sets forth water quality standards for surface water and groundwater of the Region, which include designated beneficial uses as well as narrative and numerical objectives which must be maintained or attained to protect those uses. The Basin Plan can be accessed via the Water Board's web site at http://www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan/references.shtml.

Permitting Requirements

A number of activities associated with the proposed Project appear to have the potential to impact waters of the State and, therefore, may require permits issued by either the State Water Resources Control Board (State Water Board) or Lahontan Water Board. The required permits may include:

- 3-1 • Land disturbance of more than 1 acre may require a CWA, section 402(p) stormwater permits, including a National Pollutant Discharge Elimination System (NPDES) General Construction Stormwater Permit, obtained from the State Water Board, or individual stormwater permit obtained from the Lahontan Water Board;
- 3-2 • Water diversion and/or dewatering activities may be subject to discharge and monitoring requirements under NPDES General Permit, Limited Threat Discharges to Surface Waters, Board Order R6T-2008-0023, issued by the Lahontan Water Board; and
- 3-3 • Streambed alteration and/or discharge of fill material (i.e. piles, piers, abutments, rip-rap etc.) to a surface water may require a CWA, section 401 water quality certification for impacts to federal waters (waters of the U.S.), or dredge and fill waste discharge requirements for impacts to non-federal waters, both issued by the Lahontan Water Board.

3-4 Please be advised of the permits that may be required for the proposed Project, as outlined above. We request that specific Project activities that may trigger these permitting actions be identified in the appropriate sections of the environmental document. Should Project implementation result in activities that will trigger these permitting actions, the Project proponent must consult with Water Board staff. Information regarding these permits, including application forms, can be downloaded from our web site at <http://www.waterboards.ca.gov/lahontan/>.

Specific Comments

- 3-5
1. Water diversion may be necessary prior to performing in-channel construction work. Due to shallow groundwater and saturated conditions, there is also potential that dewatering will be required for excavation. A detailed water diversion plan that also addresses dewatering must be prepared for this Project. The plan must include an appropriate combination of sediment and erosion control best management practices (BMPs) that will reduce the potential for scour and erosion and reduce the potential for turbidity increases in surface waters downstream of the Project site. Where feasible, we request that any dewatering discharge be directed to upland areas where it will percolate into the ground. Dewater discharges directly to surface waters may require separate regulation under an NPDES limited threat discharge permit (see *Permitting Requirements* section above). The dewatering and diversion plan should also include a monitoring component to monitoring water quality prior to, during, and following construction, as well as include contingencies should monitoring indicate that water quality is being impaired.
- 3-6
2. Little Rock Creek is identified in the Basin Plan as an “intermittent stream” within the Antelope Valley Hydrologic Unit 626.00 and assigned the following beneficial uses: municipal supply (MUN); groundwater recharge (GWR); contact and non-contact recreational uses (REC-1, REC-2); commercial and sport fishing (COMM); cold freshwater habitat (COLD); and wildlife habitat (WLD). Water quality objectives and standards, both numerical and narrative, for these surface waters, are outlined in Chapter 3 of the Basin Plan. Implementation of the proposed Project must comply with all applicable water quality standards and prohibitions, including provisions of the Basin Plan.
- 3-7
3. Adequate mitigation must be proposed such that Project implementation does not result in an exceedance of any applicable water quality objective, either directly or indirectly. Based on our review of the IS/MND, the following water quality objectives are of particular concern.
 - a. Chemical Constituents – Waters designated MUN shall not contain concentrations of chemical constituents in excess of the maximum contaminant level (MCL) or secondary MCL based upon current drinking water standards.
 - b. Oil and Grease – Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect the water for beneficial uses.
 - c. pH – In fresh waters with designated beneficial uses of COLD or WARM, changes in normal ambient pH levels shall not exceed 0.5 pH units.
 - d. Sediment – The suspended sediment load and suspended sediment discharge rate of surface waters shall not be altered in such a manner as to cause nuisance or adversely affect the water for beneficial uses.

- e. Temperature – For waters designated COLD, the temperature shall not be altered.
 - f. Turbidity – All waters shall be free of changes in turbidity that cause nuisance or adversely affect the water for beneficial uses. Increases in turbidity shall not exceed background levels by more than 10 percent.
- 3-8 4. Construction staging areas should be sited in upland areas outside active stream channels and other surface waters on or around the Project site. Construction equipment should use existing roadways to the extent feasible.
- 3-9 5. All temporary impacts should be restored (recontoured and revegetated) to pre-Project conditions.
- 3-10 6. Obtaining a permit and conducting monitoring does not constitute adequate mitigation. Development and implementation of acceptable mitigation is required. The environmental document must specifically describe the best management practices and other measures used to mitigate Project impacts, during the construction and the post-construction phases.

Thank you for the opportunity to comment. If you have any questions regarding this letter, please contact me at (760) 241-7376 (jzimmerman@waterboards.ca.gov) or Patrice Copeland, Senior Engineering Geologist, at (760) 241-7404 (pcopeland@waterboards.ca.gov).

Sincerely,



Jan M. Zimmerman, PG
Engineering Geologist

cc: State Clearinghouse (SCH 2012091022)
(via email, state.clearinghouse@opr.ca.gov)
Sarah Raines, California Department of Fish & Game

**AGREEMENT AND ASSIGNMENT OF
FEDERAL SURFACE
TRANSPORTATION PROGRAM – LOCAL FUNDS**

THIS AGREEMENT AND ASSIGNMENT, made and entered into by and between the CITY OF LANCASTER, a municipal corporation in the County of Los Angeles (hereinafter referred to as CITY), and the COUNTY OF LOS ANGELES, a political subdivision of the State of California (hereinafter referred to as COUNTY):

W I T N E S S E T H

WHEREAS, Avenue J is on the Highway Element of CITY'S General Plan and on COUNTY'S Highway Plan; and

WHEREAS, CITY and COUNTY propose to replace the existing timber bridge at Avenue J over Little Rock Creek with a concrete slab bridge (which work is hereinafter referred to as PROJECT); and

WHEREAS, PROJECT is within the geographical boundaries of CITY and COUNTY; and

WHEREAS, PROJECT is of general interest to CITY and COUNTY; and

WHEREAS, COUNTY is willing to perform or cause to be performed the preliminary engineering, construction contract, construction inspection and engineering, materials testing, right-of-way engineering, right-of-way acquisition and certification, construction survey, environmental documentation, and contract administration for PROJECT; and

WHEREAS, COUNTY is further willing to administer PROJECT under the Federal Highway Bridge Program (HBP); and

WHEREAS, COST OF PROJECT includes the costs of PRELIMINARY ENGINEERING, CONSTRUCTION CONTRACT, and CONSTRUCTION ADMINISTRATION as more fully set forth herein; and

WHEREAS, COST OF PROJECT is currently estimated to be Three Million One Hundred Twelve Thousand and 00/100 Dollars (\$3,112,000.00) with Federal aid reimbursement estimated to be Two Million Five Hundred Seventy-two Thousand and 00/100 Dollars (\$2,572,000.00); and

WHEREAS, CITY and COUNTY are each willing to finance their respective jurisdictional shares of the non-Federally reimbursable local agency portion of COST OF PROJECT; and

WHEREAS, CITY is willing to finance its jurisdictional share of the non-Federally reimbursable local agency portion of COST OF PROJECT, currently estimated to be Two Hundred Eighty-one Thousand and 00/100 Dollars (\$281,000.00), by assigning Federal Surface Transportation Program-Local (STP-L) funds to the COUNTY in lieu of cash; and

WHEREAS, the Los Angeles County Metropolitan Transportation Authority has procedures in effect that permit the transfer of STP-L funds between public agencies; and

WHEREAS, COUNTY is willing to accept CITY'S assignment of STP-L funds in lieu of cash; and

WHEREAS, such a proposal is authorized and provided for by the provisions of Section 6500, et seq., of the Government Code and Sections 1680-1684 of the California Streets and Highway Code.

NOW, THEREFORE, in consideration of the mutual benefits to be derived by CITY and COUNTY and of the promises herein contained, it is hereby agreed as follows:

1) DEFINITIONS:

- a. JURISDICTION, as referred to in this AGREEMENT AND ASSIGNMENT, shall be defined as the area within the geographical boundary of the CITY and the unincorporated areas of the COUNTY.
- b. PRELIMINARY ENGINEERING, as referred to in this AGREEMENT AND ASSIGNMENT, shall consist of environmental finding and approvals/permits; design survey; soils report; traffic index and geometric investigation; preparation of plans, specifications, and cost estimates; right-of-way engineering; right-of-way acquisition and certification; utility engineering; and all other necessary work prior to advertising of PROJECT for construction bids.
- c. CONSTRUCTION CONTRACT, as referred to in this AGREEMENT AND ASSIGNMENT, shall consist of the total payments to the construction contractor(s) for PROJECT and the total of all payments to utility companies or contractor(s) for the relocation of facilities necessary for the construction of PROJECT.
- d. CONSTRUCTION ADMINISTRATION, as referred to in this AGREEMENT AND ASSIGNMENT, shall consist of construction contract administration, construction inspection, materials testing, construction survey, traffic detour, signing and striping, construction engineering, utility relocation, changes and modifications of plans and specifications for PROJECT

necessitated by unforeseen or unforeseeable field conditions encountered during construction of PROJECT, construction contingencies, and all other necessary work after advertising of PROJECT for construction to cause PROJECT to be constructed in accordance with said plans and specifications approved by CITY and COUNTY.

- e. COST OF PROJECT, as referred to in this AGREEMENT AND ASSIGNMENT, shall consist of the costs of PRELIMINARY ENGINEERING, CONSTRUCTION CONTRACT, CONSTRUCTION ADMINISTRATION, and all other work necessary to construct PROJECT in accordance with the approved plans and specifications and shall include currently effective percentages added to total salaries, wages, and equipment costs to cover overhead, administration, and depreciation in connection with any or all of the aforementioned items.
- f. LOCAL SHARE OF COSTS, as referred to in this AGREEMENT AND ASSIGNMENT, shall consist of COST OF PROJECT less any reimbursement received by COUNTY under the Federal HBP.

2) CITY AGREES:

- a. To finance its share of LOCAL SHARE OF COSTS, the actual amount of which is to be determined by a final accounting pursuant to paragraph (4) a. below.
- b. To assign STP-L funds to COUNTY, in lieu of cash, in the amount of Two Hundred Eighty-one Thousand and 00/100 Dollars (\$281,000.00) to finance its share of LOCAL SHARE OF COSTS. Such assignment shall be effective upon full execution of this AGREEMENT AND ASSIGNMENT with no further action required by CITY.
- c. Upon request from COUNTY, to consent to COUNTY'S request for jurisdiction of the bridge portion of Avenue J over Little Rock Creek within CITY as part of the County System of Highways for the limited purpose of constructing PROJECT improvements.
- d. To grant to COUNTY, at no cost to COUNTY, any temporary right of way that CITY owns or has an easement for that is necessary for the construction of PROJECT.
- e. To cooperate with COUNTY in conducting negotiations with and, where appropriate, to issue notices to public utility organizations and owners of substructure and overhead facilities regarding the relocation, removal, operation, and maintenance of all surface and underground utilities and facilities, structures, and transportation services, which interfere with the

proposed construction. Where utilities have been installed in CITY streets or on CITY property, CITY will provide the necessary right of way for the relocation of those utilities and facilities that interfere with the construction of PROJECT. CITY will take all necessary steps to grant, transfer, or assign all prior rights over utility companies and owners of substructure and overhead facilities when necessary to construct, complete, and maintain PROJECT or to appoint COUNTY as its attorney-in-fact to exercise such prior rights.

- f. To appoint COUNTY as CITY'S attorney-in-fact for the purpose of representing CITY in all negotiations pertaining to the advertisement of PROJECT for construction bids, award, and administration of the construction contract and in all things necessary and proper to complete PROJECT.
- g. To grant COUNTY permission to occupy and use the public streets in CITY to construct PROJECT.
- h. To be financially responsible for disposal and/or mitigation measures, if necessary, should any hazardous materials, chemicals, or contaminants be encountered during construction of PROJECT within CITY'S jurisdiction of PROJECT.
- i. Upon approval of construction plans for PROJECT, to issue COUNTY a no-fee permit(s) authorizing COUNTY to construct PROJECT within CITY'S JURISDICTION.
- j. Upon completion of PROJECT, to maintain in good condition and at CITY'S expense all improvements constructed as part of PROJECT within CITY'S JURISDICTION.

3) COUNTY AGREES:

- a. To finance its share of LOCAL SHARE OF COSTS, the actual amount of which is to be determined by a final accounting pursuant to paragraph (4) a. below.
- b. To perform or cause to be performed the PRELIMINARY ENGINEERING, CONSTRUCTION ADMINISTRATION, and all other work necessary to complete PROJECT.
- c. To accept CITY'S assignment of STP-L funds in lieu of cash.
- d. To apply for Federal HBP funding to finance a portion of COST OF PROJECT.

- e. To obtain CITY'S approval of plans for PROJECT prior to soliciting for construction bids.
- f. To solicit bids, award and administer the construction contract, do all things necessary and proper to complete PROJECT, and to act on behalf of CITY in all negotiations pertaining thereto.
- g. To be financially responsible for disposal and/or mitigation measures, if necessary, should any hazardous materials, chemicals, or contaminants be encountered during construction of PROJECT within COUNTY'S JURISDICTION.
- h. To furnish CITY, within one hundred eighty (180) calendar days after final payment to contractor, a final accounting of the actual COST OF PROJECT, including an itemization of actual unit costs and actual quantities for PROJECT.
- i. Upon completion of PROJECT, to maintain in good condition and at COUNTY expense all improvements constructed as part of PROJECT within COUNTY'S JURISDICTION.

4) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. The final accounting of LOCAL SHARE OF COSTS shall allocate said cost between CITY and COUNTY based on the percentage of work (including all engineering, administration, and all other costs incidental to any such work) located within their respective JURISDICTIONS.
- b. That if CITY'S share of LOCAL SHARE OF COSTS based upon the final accounting, exceeds CITY'S assignment as set forth in paragraph (2) b. above, COUNTY shall make a demand for the additional amount and CITY shall either pay additional amount or assign additional STP-L funds to COUNTY or if CITY disputes the additional amount demanded, follow the procedure set forth in subparagraph (e) for dealing with discrepancies. Said demand will consist of a billing invoice prepared by COUNTY. Conversely, if the required CITY funds are less than said assignment, COUNTY shall credit the difference to CITY'S available STP-L funds within sixty (60) calendar days after completion of final accounting of the actual total COST OF PROJECT.
- c. That if CITY'S final payment, as set forth in paragraph (4) b. above, is not delivered to COUNTY office, which is described on the billing invoice prepared by COUNTY and delivered to CITY, within sixty (60) calendar days after the date of delivery to CITY of said invoice, COUNTY is entitled to recover interest thereon beginning sixty (60) calendar days from the date of the invoice at the rate of interest specified in the General Services

Agreement executed by the parties to the AGREEMENT AND ASSIGNMENT currently in effect.

- d. That if CITY'S final payment, as set forth in paragraph (4) b. above, is not delivered to COUNTY office, which is described on the billing invoice prepared by COUNTY and delivered to CITY, within sixty (60) calendar days after the date of delivery to CITY of said invoice, notwithstanding the provisions of Government Code Section 907, COUNTY may satisfy such indebtedness, including interest thereon, from any funds of CITY on deposit with COUNTY after giving notice to CITY of COUNTY'S intention to do so.
- e. CITY shall review the final accounting invoice prepared by COUNTY and report in writing any discrepancies to COUNTY within sixty (60) calendar days after the date of said invoice. Undisputed charges shall be paid by CITY to COUNTY within sixty (60) calendar days after the date of said invoice. COUNTY shall review all disputed charges and submit a written justification detailing the basis for those charges within sixty (60) calendar days of receipt of CITY'S written report. CITY shall then make payment of the previously disputed charges or submit justification for nonpayment within sixty (60) calendar days after the date of COUNTY'S written justification.
- f. COUNTY at any time may, at its sole discretion, designate an alternative payment mailing address and an alternative schedule for payment of CITY funds if applicable. CITY shall be notified of such changes by invoice.
- g. During construction of PROJECT, COUNTY shall furnish an inspector or other representative to perform the functions of an inspector. CITY may also furnish, at no cost to COUNTY, an inspector or other representative to inspect construction of PROJECT. Said inspectors shall cooperate and consult with each other, but the orders of COUNTY inspector to the contractors or any other person in charge of construction shall prevail and be final.
- h. COUNTY hereby assigns all of its right, title, and interest to the CITY'S jurisdictional share of unexpired portion of a one-year warranty granted to the COUNTY by the construction contractor constructing PROJECT following completion of construction of the PROJECT and field acceptance of said construction by COUNTY. CITY agrees to accept said assignment as its sole remedy against COUNTY in connection with defects relating to said PROJECT.
- i. This AGREEMENT AND ASSIGNMENT may be amended or modified only by mutual written consent of CITY and COUNTY. Amendments and

modifications of a nonmaterial nature may be made by the mutual written consent of the parties' Directors of Public Works or their delegates.

- j. Any correspondence, communication, or contact concerning this AGREEMENT shall be directed to the following:

CITY: Mr. Robert Neal
Director of Public Works
City of Lancaster
44933 North Fern Avenue
Lancaster, CA 93534-2461

COUNTY: Ms. Gail Farber
Director of Public Works
County of Los Angeles
Department of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

- k. Other than as provided below, neither COUNTY nor any officer or employee of COUNTY shall be responsible for any damage or liability occurring by reason of any acts or omissions on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of CITY under this AGREEMENT AND ASSIGNMENT. It is also understood and agreed that, pursuant to Government Code Section 895.4, CITY shall fully indemnify, defend, and hold COUNTY harmless from any liability imposed for injury (as defined by Government Code Section 810.8) occurring by reason of any acts or omissions on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of CITY under this AGREEMENT AND ASSIGNMENT.
- l. Neither COUNTY nor any officer or employee of COUNTY shall be responsible, directly or indirectly, for damage or liability arising from or attributable to the presence or alleged presence, transport, arrangement, or release of any hazardous materials, chemicals, or contaminants present at or stemming from the PROJECT within the CITY'S geographical limits including liability under the Comprehensive Environmental, Response, Compensation and Liability Act of 1980 (CERCLA) and under the California Health and Safety Code. It is understood and agreed pursuant to Government Code Section 895.4, CITY shall fully indemnify, defend, and hold COUNTY harmless from any such damage, liability, or claim. In addition to being an agreement enforceable under the laws of the State of California, the foregoing indemnity is intended by the parties to be an agreement pursuant to 42 U.S.C. Section 9607(e), Section 107(e), of the amended CERCLA, and California Health and Safety Code Section 25364.

- m. Other than as provided below, neither CITY nor any officer or employee of CITY shall be responsible for any damage or liability occurring by reason of any acts or omissions on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT AND ASSIGNMENT. It is also understood and agreed that, pursuant to Government Code Section 895.4, COUNTY shall fully indemnify, defend, and hold CITY harmless from any liability imposed for injury (as defined by Government Code Section 810.8) occurring by reason of any acts or omissions on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT AND ASSIGNMENT.

- n. Neither CITY nor any officer or employee of CITY shall be responsible, directly or indirectly, for damage or liability arising from or attributable to the presence or alleged presence, transport, arrangement, or release of any hazardous materials, chemicals, or contaminants present at or stemming from the PROJECT within the COUNTY'S geographical limits, including liability under the CERCLA and under the California Health and Safety Code. It is understood and agreed pursuant to Government Code Section 895.4, COUNTY shall fully indemnify, defend, and hold CITY harmless from any such damage, liability, or claim. In addition to being an agreement enforceable under the laws of the State of California, the foregoing indemnity is intended by the parties to be an agreement pursuant to 42 U.S.C. Section 9607(e), Section 107(e), of the amended CERCLA, and California Health and Safety Code Section 25364.

- o. In contemplation of the provisions of Section 895.2 of the Government Code of the State of California imposing certain tort liability jointly upon public entities solely by reason of such entities being parties to an agreement (as defined in Section 895 of said Code), each of the parties hereto, pursuant to the authorization contained in Sections 895.4 and 895.6 of said Code, will assume the full liability imposed upon it or any of its officers, agents, or employees by law for injury caused by any act or omission occurring in the performance of this AGREEMENT AND ASSIGNMENT to the same extent that such liability would be imposed in the absence of Section 895.2 of said Code. To achieve the above-stated purpose, each of the parties indemnifies and holds harmless the other party for any liability, cost, or expense that may be imposed upon such other party solely by virtue of said Section 895.2. The provisions of Section 2778 of the California Civil Code are made a part hereof as if incorporated herein.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT AND ASSIGNMENT to be executed by their respective officers, duly authorized by the CITY OF LANCASTER on _____, 2013, and by the COUNTY OF LOS ANGELES on _____, 2013.

COUNTY OF LOS ANGELES

By _____
Director of Public Works

APPROVED AS TO FORM:

JOHN F. KRATTLI
County Counsel

By _____
Deputy

CITY OF LANCASTER

By _____
Mayor

ATTEST:

By _____
City Clerk

APPROVED AS TO FORM:

By _____
City Attorney