

## Santa Ana Regional Water Quality Control Board

August 7, 2013

Nardy Khan  
Orange County Public Works  
300 N. Flower Street  
Santa Ana, CA 92702

### **CLEAN WATER ACT SECTION 401 WATER QUALITY STANDARDS CERTIFICATION FOR THE SANTIAGO CANYON BRIDGES MAINTENANCE PROJECT, COUNTY OF ORANGE, CALIFORNIA (ACOE REFERENCE NO. NOT AVAILABLE) (SARWQCB PROJECT NO. 302013-04)**

Dear Ms. Khan:

On February 11, 2013, we received an application for Clean Water Act Section 401 Water Quality Standards Certification ("Certification") from Orange County Public Works for a project to maintain and repair highway bridges in Santiago Canyon, eastern Orange County, and extend their longevity. This letter responds to your request for certification that the proposed project, described in your application and summarized below, will comply with State water quality standards outlined in the Water Quality Control Plan for the Santa Ana River Basin (1995) (Basin Plan) and subsequent Basin Plan amendments:

**Project Description:** The proposed project consists of maintenance and repair of four bridges over waterways within the Santiago Canyon area of eastern Orange County. Below is a description of maintenance activities proposed at each bridge location:

Bridge 55C-0188 (lat: 33.747132°, long: -117.639658°): The project will repair the scour underneath the bridge and replace damaged and missing metal posts. Activities include placing filter fabric in scour areas to receive riprap, place riprap or cement/sand slurry in scour area, and grout riprap.

Bridge 55C-0176 (lat: 33.746724°, long: -117.637672°): The project will fill the scour voids underneath the bridge with slurry and grouted riprap to prevent further scouring and replace the existing bolts through exterior timber girders and curb. Activities include forming and placing sand slurry in

undermined voids under existing grouted riprap, place riprap within specified limits of invert, and grout riprap in immediate vicinity of the bridge.

Bridge 55C-0189 (lat: 33.746334°, long: -117.628621°): The project will repair the scour underneath and just upstream of the bridge, and replace damaged and missing metal posts. Activities include forming and placing sand slurry in undermined voids under existing grouted riprap, place riprap within specified limits of invert, and grout riprap under the bridge and just upstream and downstream, to join existing grouted riprap abutments.

Bridge 55C-0181 (lat: 33.746693°, long: -117.626109°): The project will repair the vertical cracks in the abutment walls, slurry cement backfill the exposed undermined voids under the abutment footings, and provide protection to the exposed retaining wall and abutment footings by restoring lost invert thickness (due to scour) with riprap. Activities include placing filter fabric in scour areas to receive riprap, and place riprap within specified limits of invert.

The work will take place within Sections 8 & 9 of Township 5 South, Range 7 West, of the U.S. Geological Survey *El Toro* quadrangle maps.

Receiving water:  
Silverado Creek

Fill area:

Permanent impact to Streambed Habitat	0.01 acre	74 linear feet
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Dredge/Fill volume:  
N/A

Federal permit: U.S. Army Corps of Engineers Nationwide Permit No. 14

You have proposed to mitigate water quality impacts as described in your Certification application. The proposed mitigation is summarized below:

Onsite Water Quality Standards Mitigation Proposed: None

- Standard water quality related best management practices (BMPs) will be employed during construction activities.

Offsite Water Quality Standards Mitigation Proposed:

- None

Should the proposed project impact state- or federally-listed endangered species or their habitat, implementation of measures identified in consultation with U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife will ensure those impacts are mitigated to an acceptable level. Appropriate BMPs will be implemented to reduce construction-related impacts to Waters of the State according to the requirements of Order No. R8-2009-0030 (NPDES Permit No. CAS618030), commonly known as the Orange County Municipal Storm Water Permit, and subsequent iterations thereof. Order No. R8-2009-0030 requires that you substantially comply with the requirements of State Water Resources Control Board's General Permit for Storm Water Discharges Associated with Construction Activity.

Pursuant to California Code of Regulations, Title 14, Chapter 3, Section 15096, as a responsible agency, the Regional Board is required to consider an Environmental Impact Report (EIR) or Negative Declaration (ND) prepared by the lead agency in determining whether to approve a project. A responsible agency has responsibility for mitigating and avoiding only the direct and indirect environmental effects of those parts of the project which it decides to carry out, finance, or approve. Further, the responsible agency must make findings as required by Sections 15091 and, if necessary, 15093, for each and every significant impact of the project.

As required by Section 15096, the Regional Board has considered the May 21, 2013, Mitigated Negative Declaration for the proposed project, and information provided subsequently in the application, in approving this Certification. The Regional Board has independently considered the county's Mitigative Negative Declaration in making this certification and finds that changes or alterations have been required, or incorporated into the proposed project, which avoid or mitigate impacts to water quality to a less than significant level.

**This 401 Certification is contingent upon the execution of the following conditions:**

- 1) The applicant must comply with the requirements of the applicable Clean Water Act section 404 permit.

- 2) All materials generated from construction activities associated with this project shall be managed appropriately. This shall include identifying all potential pollution sources within the scope of work of this project, and incorporating all necessary pollution prevention BMPs as they relate to each potential pollution source identified.
- 3) The project proponent shall utilize BMPs during project construction to minimize the controllable discharges of sediment and other wastes to drainage systems or other waters of the state and of the United States.
- 4) Substances resulting from project-related activities that could be harmful to aquatic life, including, but not limited to, petroleum lubricants and fuels, cured and uncured cements, epoxies, paints and other protective coating materials, portland cement concrete or asphalt concrete, and washings and cuttings thereof, shall not be discharged to soils or waters of the state. All waste concrete shall be removed.
- 5) Motorized equipment shall not be maintained or parked within or near any stream crossing, channel or lake margin in such a manner that petroleum products or other pollutants from the equipment may enter these areas under any flow conditions. Vehicles shall not be driven or equipment operated in waters of the state on-site, except as necessary to complete the proposed project. No equipment shall be operated in areas of flowing water.
- 6) This Water Quality Certification is subject to the acquisition of all local, regional, state, and federal permits and approvals as required by law. Failure to meet any conditions contained herein or any the conditions contained in any other permit or approval issued by the State of California or any subdivision thereof may result in the revocation of this Certification and civil or criminal liability.
- 7) Best management practices to stabilize disturbed soils must include the use of native plant species whenever feasible.
- 8) Construction de-watering discharges, including temporary stream diversions necessary for project construction may be regulated under Regional Board Order No. R8-2009-0003, General Waste Discharge Requirements for Discharges to Surface Waters that Pose an Insignificant (De Minimus) Threat to Water Quality. For more information, please review Order No. R8-2009-0003 at [www.waterboards.ca.gov/santaana/](http://www.waterboards.ca.gov/santaana/)
- 9) Applicant shall ensure that all fees associated with this project shall be paid to each respective agency prior to conducting any on-site construction activities.

Under California Water Code, Section 1058, and Pursuant to 23 CCR §3860, the following shall be included as conditions of all water quality certification actions:

(a) Every certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section §13330 of the Water Code and Article 6 (commencing with Section 3867) of this Chapter.

(b) Certification is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a FERC license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to Subsection §3855(b) of this Chapter and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

(c) Certification is conditioned upon total payment of any fee required under this Chapter and owed by the applicant.

If the above stated conditions are changed, any of the criteria or conditions as previously described are not met, or new information becomes available that indicates a water quality problem, the Regional Board may require the applicant to submit a report of waste discharge and obtain Waste Discharge Requirements.

In the event of any violation or threatened violation of the conditions of this certification, the holder of any permit or license subject to this certification shall be subject to any remedies, penalties, process or sanctions as provided for under state law. For purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification. Violations of the conditions of this certification may subject the applicant to civil liability pursuant to Water Code section 13350 and/or 13385.

This letter constitutes a Water Quality Standards Certification issued pursuant to Clean Water Act Section 401. I hereby issue an order certifying that any discharge from the referenced project will comply with the applicable provisions of Sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law.

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Orange County Public Works  
401 Certification No. 302013-04

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This discharge is also regulated under State Water Resources Control Board Order No. 2003-0017-DWQ (Order No. 2003-0017-DWQ), "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received Water Quality Certification" which requires compliance with all conditions of this Water Quality Standards Certification. Order No. 2003-0017-DWQ is available at: [www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2003/wqo/wqo\\_2003-0017.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo_2003-0017.pdf)

Should there be any questions, please contact Marc Brown at (951) 321-4584, or Mark Adelson at (951) 782-3234.

Sincerely,



for

Kurt V. Berchtold  
Executive Officer  
Santa Ana Regional Water Quality Control Board

cc (via electronic mail):

U.S. Army Corps of Engineers, Los Angeles Office - Stephen Estes  
State Water Resources Control Board, OCC - David Rice  
California Department of Fish and Wildlife – Russell Barabe  
SWRCB, DWQ-Water Quality Certification Unit - Bill Orme