

Los Angeles Regional Water Quality Control Board

Mr. Mohammed Shaikh
Caltrans, District 7
100 South Main Street, MS 16A
Los Angeles, CA 90012

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
No. 7012 3460 0001 6366 0946

WATER QUALITY CERTIFICATION FOR PROPOSED LADYBUG PERMANENT CULVERT PROJECT (Corps' Project No. 2010-00174-PHT), UNNAMED TRIBUTARY TO ARROYO SECO, CHILAO FLATS, LOS ANGELES COUNTY (FILE No. 13-143)

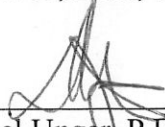
Dear Mr. Shaikh:

Board staff has reviewed your request on behalf of Caltrans, District 7 (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on November 22, 2013.

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. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges that have received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification.

Please read this entire document carefully. The Applicant shall be liable civilly for any violations of this Certification in accordance with the California Water Code. This Certification does not eliminate the Applicant's responsibility to comply with any other applicable laws, requirements and/or permits.

Should you have questions concerning this Certification action, please contact Valerie Carrillo Zara, P.G., Lead, Section 401 Program, at (213) 576-6759.



Samuel Unger, P.E.
Executive Officer

Chief Deputy E.O. for

11-27-13
Date

DISTRIBUTION LIST

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U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105

Jim Bartel
U.S. Fish and Wildlife Service
6010 Hidden Valley Road
Carlsbad, CA 92011

ATTACHMENT A

**Project Information
File No. 13-143**

1. Applicant: Caltrans, District 7
100 South Main Street, MS 16A
Los Angeles, CA 90012

Phone: (213) 897-8492 Fax: (213) 897-0685
2. Applicant's Agent: Mohammed Shaikh
100 South Main Street, MS 16A
Los Angeles, CA 90012

Phone: (213) 897-0665 Fax: (213) 897-0685
3. Project Name: Ladybug Permanent Culvert
4. Project Location: Unnamed tributary to Arroyo Seco, Los Angeles County

<u>Latitude</u>	<u>Longitude</u>
34.2667	118.117500
34.266386	118.117177
34.266275	118.117175
34.326621	118.117140
34.266451	118.117433
34.266422	118.117433
34.266422	118.117439
34.266386	118.117219

5. Type of Project: Pipe extension and slope stabilization
6. Project Purpose: Caltrans has proposed to repair a failing 80-inch corrugated metal pipe (CMP) culvert at Ladybug Canyon, which is a tributary to Arroyo Seco on State Route 2 at Postmile 36.7. The 80-inch CMP which crosses underneath the highway has become corroded and is failing. Erosion created large voids beneath the culvert creating a significant risk to State Route 2 (SR-2) during heavy flows throughout the rainy season.
7. Project Description: The winter storms of December 2010 and 2011 eroded a large section of Ladybug Canyon on both sides of the drainage banks as well as the bed and fill material covering the 80-inch diameter CMP pipe which crosses under SR-2 at the outlet end.

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Caltrans previously extended this pipe 150-feet under ACOE RGP 63 (2010-00174-PHT). This extended length was found to be inadequate based on the size of the watershed. Caltrans Geotechnical Engineers therefore recommend that the 80-inch diameter CMP be extended an additional 150 feet. Certification No. 10-034 was issued for the pipe extension for the additional 150 feet.

Since the original 150-foot pipe extension was a necessary culvert improvement, the culvert will now remain as a permanent structure. This Certification No. 13-143 will supersede the RGP 63 issued for the original temporary installation and include the permanent structure (150 linear feet).

In total this culvert will extend 300 feet in length. The initial 150 feet will be covered specifically with this Certification.

- | | |
|---|--|
| 8. Federal Agency/Permit: | U.S. Army Corps of Engineers
NWP No. 14 (Permit No. 2010-00174-PHT) |
| 9. Other Required
Regulatory Approvals: | California Department of Fish and Wildlife
Streambed Alteration Agreement |
| 10. California
Environmental Quality
Act Compliance: | The proposed project is Categorical Exempt from CEQA pursuant to the CEQA Guidelines, Section 15301 Existing Facilities. |
| 11. Receiving Water: | Unnamed tributary to Arroyo Seco (Hydrologic Unit No. 405.32) |
| 12. Designated Beneficial
Uses: | MUN*, IND, PROC, GWR, FRSH, REC-1, REC-2, WARM,
COLD, WILD, WET
*Conditional beneficial use |
| 13. Impacted Waters of the
United States: | Non-wetland waters (streambed): 0.367 acres (300 permanent linear feet) |
| 14. Dredge Volume: | None |
| 15. Related Projects
Implemented/to be
Implemented by the
Applicant: | The Applicant has not proposed any additional projects to be implemented at this location. |

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16. Avoidance/
Minimization
Activities:

The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:

- Work will take place when the site is dry and rain is not forecasted with a 7-day window of 50% or less chance of rain.
- Grout and other material will be placed in such a way as to not be exposed or which could enter Arroyo Seco downstream.
- A biologist may be present during construction to monitor construction activities.
- All work shall cease if a listed species is spotted during work activities.
- Excavated material will be disposed of offsite at designated Forest Service disposal sites.
- All refueling activities and equipment storage will be outside the banks of the drainages and creek.
- Standard Stormwater BMPs will be in place should unexpected precipitation occur.
- The Department will ensure that work is monitored to ensure compliance with all avoidance and minimization measures.

17. Proposed
Compensatory
Mitigation:

The Applicant has proposed to provide compensatory mitigation at a ratio of 3:1 for all permanent impacts associated with the proposed project.

A total of 1.10 acres will be mitigated off-site through an in-lieu fund transfer within the Arroyo Seco/Los Angeles River Watershed. A four-way in-lieu fund agreement has been initiated between Caltrans, Federal Highway Administration (FHWA), US Army Corps' of Engineers (USACOE) and Mountains Restoration Trust (MRT).

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18. Required
Compensatory
Mitigation:

The Regional Board will require the Applicant to provide compensatory mitigation at a ratio of 3:1 for all permanent impacts associated with the proposed project.

See *Attachment B, Conditions of Certifications, Additional Conditions* for modifications and additions to the above proposed compensatory mitigation.

ATTACHMENT B

Conditions of Certification File No. 13-143

STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' (ACOE) Section 404 Permit and the California Department of Fish and Wildlife's (CDFW) Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this Certification, the CDFW's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*, as amended.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. 16, are incorporated as additional conditions herein.
5. The Applicant and all contractors employed by the Applicant shall have copies of this Certification, and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.

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6. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
7. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.
8. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
9. All waste or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Please contact the Land Disposal Unit for further information regarding the disposal of solid wastes.
10. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
11. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, nor cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.
12. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
13. Application of pesticides must be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the

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target species and habitat. All pesticides directed toward aquatic species must be approved by the Regional Board. Pesticide utilization shall be in accordance with State Water Resources Control Board Water Quality Order Nos. 2011-0002-DWQ and 2004-0009-DWQ.

14. The Applicant shall not conduct any construction activities within waters of the State during a rainfall event. The Applicant shall maintain a **five-day (5-day) clear weather forecast** before conducting any operations within waters of the State.
15. If rain is predicted after operations have begun, grading activities must cease immediately and the site must be stabilized to prevent impacts to water quality, and minimize erosion and runoff from the site.
16. The grading, stabilization and re-vegetation will be phased to limit the exposed or working face such that the graded area can be stabilized within 24 hours after the first prediction of rain during the 5-day forecast or within 24 hours after final grading of the phased area.
17. The Applicant shall utilize the services of a qualified biologist with expertise in riparian assessments during any vegetation clearing activities. The biologist shall be available on site during construction activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.
18. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge (ROWD)** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste.
19. All project/maintenance activities not included in this Certification, and which may require a permit, must be reported to the Regional Board for appropriate permitting. Bank stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional Certification action.
20. All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. If surface water diversions are anticipated, the Applicant shall develop and submit a **Surface Water Diversion Plan (plan)** to this Regional Board. The plan shall include the proposed method and duration of diversion activities, structure configuration, construction materials, equipment, erosion and sediment controls,

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and a map or drawing indicating the locations of diversion and discharge points. Contingency measures shall be a part of this plan to address various flow discharge rates. The plan shall be submitted prior to any surface water diversions. If surface flows are present, then upstream and downstream monitoring for the following shall be implemented:

- pH
- temperature
- dissolved oxygen
- turbidity
- total suspended solids(TSS)

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be measured at least once prior to diversion and then monitored for on a daily basis during the first week of diversion and/or dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete.

Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection.

21. The Applicant shall restore **all areas** of TEMPORARY IMPACTS to waters of the United States and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the State. Restoration shall include grading of disturbed areas to pre-project contours and revegetation with native species. Restored areas shall be monitored and maintained with native species as necessary for five years. The Applicant shall implement all necessary Best Management Practices to control erosion and runoff from areas associated with this project.
22. The Applicant shall provide COMPENSATORY MITIGATION to offset the proposed permanent impacts to **0.367 acres** of vegetation within waters of the United States by creating or restoring riparian habitat at a minimum **3:1** area replacement ratio (**1.10 acres**). The Applicant shall submit a **Proposed Mitigation Report** which shall include:
 - (a) The boundary of the mitigation site shall be clearly identified on a map of suitable resolution and quality and shall also be defined by latitude and longitude.
 - (b) The type(s) of mitigation shall be described (e.g., removal of exotics and/or replanting with native species, etc.)
 - (c) Success criteria shall be established.

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This information shall be submitted to this Regional Board for approval prior to any project activities which take place within waters of the United States and shall include copies of all agreements made between the Applicant and a third party organization regarding compensatory mitigation efforts.

23. If the Applicant proposes funding to a third-party organization for the creation or restoration of a total of **1.10 acres** of streambed riparian habitat within waters of the United States, then funding shall apply to mitigation acreage only, exclusive of administrative costs. The mitigation site shall be located within the Arroyo Seco/Los Angeles Watershed unless otherwise approved by this Regional Board. The Applicant shall submit a **Proposed Mitigation Report** which shall include:

- (d) Documentation from the third party indicating that funds have been used for mitigation acreage only, which do not include administrative costs.
- (e) The boundary of the mitigation site shall be clearly identified on a map of suitable resolution and quality and shall also be defined by latitude and longitude.
- (f) The type(s) of mitigation shall be described (e.g., removal of exotics and/or replanting with native species, etc.)
- (g) Success criteria shall be established.

This information shall be submitted to this Regional Board for approval prior to any disturbance within waters of the United States and shall include copies of all agreements made between the Applicant and a third party organization regarding compensatory mitigation efforts.

24. The Applicant shall submit to this Regional Board **Annual Mitigation Monitoring Reports** (Annual Reports) by **January 1st** of each year for a minimum period of **five (5) years** following this issuance of 401 Certification or until mitigation success has been achieved and documented. The Annual Reports shall describe in detail all of the project/construction activities performed during the previous year and all restoration and mitigation efforts; including percent survival by plant species and percent cover. The Annual Reports shall describe the status of other agreements (e.g., mitigation banking) or any delays in the mitigation process. At a minimum the Annual Reports shall include the following documentation and answered appropriately whether or not mitigation has been performed:

- (a) Color photo documentation of the pre- and post-project and mitigation site conditions;
- (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;
- (c) The overall status of project including a detailed schedule of whether or not work has begun on the Project;

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- (d) Copies of all permits revised as required in Additional Condition 1;
 - (e) Water quality monitoring results for each reach (as required) compiled in an easy to interpret format;
 - (f) A certified Statement of “no net loss” of wetlands associated with this project;
 - (g) Discussion of any monitoring activities and exotic plant control efforts; and
 - (h) A certified Statement from the permittee or his/her representative that all conditions of this Certification have been met.
25. All applications, reports, or information submitted to the Regional Board shall be signed:
- (a) For corporations, by a principal executive officer at least of the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates.
 - (b) For a partnership, by a general partner.
 - (c) For a sole proprietorship, by the proprietor.
 - (d) For a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
26. Each and any report submitted in accordance with this Certification shall contain the following completed declaration:

“I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the _____ day of _____ at _____.

(Signature)
(Title)”

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27. All communications regarding this project and submitted to this Regional Board shall identify the Project **File Number 13-143**. Submittals shall be sent to the attention of the 401 Certification Unit.
28. Any modifications of the proposed project may require submittal of a new Clean Water Act Section 401 Water Quality Certification application and appropriate filing fee.
29. The project shall comply with the local regulations associated with the Regional Board's **Municipal Stormwater Permit** issued to the Department of Transportation (Caltrans) under NPDES No. CAS000003 and Waste Discharge Requirements Order No. 2012-0011-DWQ. This includes the Standard Urban Storm Water Mitigation Plan (SUSMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) **General Permit** for Storm Water Discharges Associated with Construction Activity, Order No. 2009-009-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.
30. Coverage under this Certification may be transferred to the extent the underlying federal permit may legally be transferred and further provided that the Applicant notifies the Executive Officer at least 30 days before the proposed transfer date, and the notice includes a written agreement between the existing and new Applicants containing a specific date of coverage, responsibility for compliance with this Certification, and liability between them.
31. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
32. *Enforcement:*
 - (a) In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation 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

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limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.

- (b) In response to a suspected violation of any condition of this Certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) In response to any violation of the conditions of this Certification, the SWRCB or RWQCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.
33. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application at least 90 days prior to termination of this Certification if renewal is requested.