



Linda S. Adams
Agency Secretary

California Regional Water Quality Control Board Los Angeles Region

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful



Arnold Schwarzenegger
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Ms. Sarah Berns
Caltrans District 7
100 S. Main Street
Los Angeles, CA 90012

WATER QUALITY CERTIFICATION FOR PROPOSED INTERSTATE 5 FREEWAY WIDENING & RECONSTRUCTION AT ALONDRA BOULEVARD PROJECT (Corps' Project No. 2010-00615-PHT), COYOTE CREEK, SANTA FE SPRINGS, LOS ANGELES COUNTY (File No. 10-086)

Dear Ms. Berns:

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 August 5, 2010.

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.

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, Lead, Section 401 Program, at (213) 576-6759.

Samuel Unger
Samuel Unger
Interim Executive Officer

8-18-10
Date

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

DISTRIBUTION LIST

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ATTACHMENT A

Project Information File No. 10-086

1. Applicant: Caltrans District 7
100 S. Main Street
Los Angeles, CA 90012
Phone: (213) 897-0707 Fax: (213) 897-2593
2. Applicant's Agent: Sarah Berns
3. Project Name: Interstate 5 Freeway Widening & Reconstruction (Alondra Blvd)
4. Project Location: Santa Fe Springs, Los Angeles County

| <u>Latitude</u> | <u>Longitude</u> |
|-----------------|------------------|
| 33.8877 | 118.0330 |
| 33.8880 | 118.0330 |
| 33.8877 | 118.0333 |
| 33.8880 | 118.0333 |

5. Type of Project: Freeway Widening
6. Project Purpose: The North Fork Coyote Creek bridge will be replaced to accommodate the profile change on Alondra Boulevard resulting from the Interstate 5 (I-5) Reconstruction and Widening Project.
7. Project Description: The I-5 freeway will be widened to 10 mixed flow lanes and 2 auxiliary lanes. The North Fork Coyote Creek structure (Caltrans Bridge #53-0630) will be replaced to accommodate the expansion. There is no planned flow diversion in North Fork Coyote Creek. The existing structure and pier will be removed during the dry season. A 5-foot wide by 22-foot long trench will be sawcut, excavated and prepared for location of new channel bottom and concrete pier. Falsework, steel and concrete will be placed to construct concrete pier and channel bottom. CIDH piles made of steel and concrete for bridge abutments will be drilled and placed outside channel but within flood control limits. A Bulb Tee girder structure will span across the channel. A second span across the

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bike path will consist of a precast slab structure. The existing channel is entirely concrete lined. The only permanent impact will be from the expansion of the bridge across this concrete lined channel. The linear length of the project will be 135 feet.

8. Federal Agency/Permit: U.S. Army Corps of Engineers
NWP No. 14 (Permit No. 2010-00615-PHT)
9. Other Required Regulatory Approvals: California Department of Fish and Game
Streambed Alteration Agreement
10. California Environmental Quality Act Compliance: Caltrans prepared an Environmental Impact Report and a Notice of Exemption was filed on September 5, 2008.
11. Receiving Water: Coyote Creek (Hydrologic Unit No. 405.15)
12. Designated Beneficial Uses: MUN*, IND, PROC, REC-1, REC-2, WARM, WILD, RARE
*Conditional beneficial use
13. Impacted Waters of the United States: Non-wetland waters (unvegetated streambed): 0.23 permanent acres (135 linear feet)
14. Dredge Volume: None
15. Related Projects Implemented/to be Implemented by the Applicant: Construction of Segment 2 for I-5 Freeway Widening and Reconstruction Project (PM 0.20-1.24) is scheduled to begin in late 2011. One of the structures to be replaced will be the Coyote Creek structure on the I-5 main line.
16. Avoidance/Minimization Activities: The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:
- Impacts will be minimized and/or avoided with the implementation of Caltrans Construction Best Management Practices (BMPs).

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- A stabilized construction access will be used. A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt into public roads by construction vehicles.
- Vehicle Equipment Cleaning procedures and practices will be used to minimize or eliminate the discharge of pollutants from vehicle and equipment cleaning operations to storm drain system or to watercourses.
- Vehicle Equipment Fueling procedures and practices will be used to minimize or eliminate the discharge of fuel spills and leaks into storm drain systems or to water courses.
- Vehicle Equipment Maintenance procedures and practices will be used to minimize or eliminate the discharge of pollutants to the storm drain systems or to watercourses from vehicle and equipment maintenance procedures.
- Material Delivery procedures and practices for the proper handling and storage of material in a manner that minimizes or eliminates the discharge of these materials to the storm drain systems or to watercourses will be used.
- Stockpile Management procedures and practices will be used to reduce or eliminate air and storm water pollution from stock piles of soil and paving materials such as Portland cement concrete (PCC) rubble, Asphalt Concrete (AC), asphalt concrete bubble, aggregate base, aggregate subbase or pre-mixed aggregate, asphalt binder and pressure treated wood.
- Spill Prevention and Control will be implemented to prevent and control spills in a manner that minimizes or prevents the discharge of spilled material to the drainage system or watercourse.
- Solid Waste Management procedures and practices will be used to minimize or eliminate the discharge of pollutants to the drainage system or to watercourse as a result of the creation, stockpiling or removal of construction site wastes.

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- Concrete Waste Management procedures and practices will be used to minimize or eliminate the discharge of concrete waste materials within waters.
- Any construction equipment entering the channel will be equipped with rubber ties, and screens, traps, and good housekeeping practices will be employed to prevent construction debris and/or silt from entering the channel.
- Diversion within the channel will not be necessary, as work will take place within dry areas of the channel.

17. Proposed
Compensatory
Mitigation:

The Applicant has not proposed any additional compensatory mitigation due to the temporary impacts associated with the proposed project.

18. Required
Compensatory
Mitigation:

The Applicant has not proposed any compensatory mitigation due to the temporary nature of impacts associated with the project and the location of the project within a concrete lined channel. There is no vegetation or habitat potential within this section of channel.

Since the project impacts are temporary in nature, the Regional Board will not require any additional compensatory mitigation.

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. 10-086

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 Game's (CDFG) 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 CDFG'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 and/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, at (213) 620-6119 for further information.
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.

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13. 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.

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.

14. 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.
15. 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.
16. 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, 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

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Conditions of Certification File No. 10-086

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.

17. The Applicant shall submit to this Regional Board an **Annual 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 the year following project completion 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 activities. At a minimum the Annual Reports shall include the following documentation:
 - (a) Color photo documentation of the pre- and post-project site conditions;
 - (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project areas;
 - (c) The overall status of project including a detailed schedule of work;
 - (d) Copies of all permits revised as required in Additional Condition 1;
 - (e) Water quality monitoring results (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.
18. Prior to any subsequent maintenance activities within the subject drainages/basin, including clearing, maintenance by-hand, and/or the application of pesticides, the Applicant shall submit to this Regional Board a NOTIFICATION of any such activity. Notification shall include: (a) the proposed schedule; (b) a description of the drainage's/basin's existing condition/capacity; (c) the area of proposed temporary impact within waters of the State; (c)

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a description of any existing aquatic resources (e.g., wetland/riparian vegetation); and (d) any proposed compensatory mitigation. Notifications must be submitted a minimum of **three (3) weeks** prior to commencing work activities.

19. 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.
20. 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)"

21. All communications regarding this project and submitted to this Regional Board shall identify the Project File Number **10-086**. Submittals shall be sent to the attention of the 401 Certification Unit.
22. 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.

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23. 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. 99 - 06 - 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.
24. 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.
25. 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.
26. *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 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.

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- (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.
27. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application prior to termination of this Certification if renewal is requested.

