

## California Regional Water Quality Control Board

### Los Angeles Region

Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful



Arnold Schwarzenegger Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Paul Caron Caltrans 100 South Main street Los Angeles, CA 90012

WATER QUALITY CERTIFICATION FOR PROPOSED SAN GABRIEL RIVER BRIDGE REHABILITATION PROJECT (Corps' Project No. 2008-00303-VEN), SAN GABRIEL RIVER, CITY OF IRWINDALE, LOS ANGELES COUNTY (File No. 07-132)

Dear Mr. Caron:

Regional Board staff has reviewed your request on behalf of Caltrans (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on December 17, 2008.

Deleted: Regional

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 Dana Cole, Section 401 Program, at (213) 576-5733.

[ Original signed by]	January 26, 2009
Tracy J. Egoscue	Date
Executive Officer	

California Environmental Protection Agency

Recycled Paper

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

### **DISTRIBUTION LIST**

Bill Orme State Water Resources Control Board Division of Water Quality P.O. Box 944213 Sacramento, CA 94244-2130

Naeem Siddiqui (via electronic copy) California Department of Fish and Game Streambed Alteration Team 4949 View Ridge Avenue San Diego, CA 92123

Valisa Nez U.S. Army Corps of Engineers Regulatory Branch, Los Angeles District P.O. Box 532711 Los Angeles, CA 90053-2325

Eric Raffini (via electronic copy)
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 92009

# Project Information File No. 07-132

1. Applicant: Paul Caron

Caltrans

100 South Main street Los Angeles, CA 90012

Phone: (213) 897-0610 Fax: (213) 897-2593

2. Project Name: San Gabriel River Bridge Rehabilitation

3. Project Location: City of Irwindale, Los Angeles County

Longitude Latitude

117° 56' 57.6" 34° 7' 5.1"

4. Type of Project: Bridge repair

5. Project Purpose: The proposed project (Project) will repair the bridge in order to

provide motorists with a safer, smoother ride, to avoid further damage to the bridge, and to eliminate the need of superfluous

maintenance.

6. Project Description: The proposed project (Project) is located on the San Gabriel River

Bridge (Caltrans No. 53-1867) along Interstate 210 at Post Mile 36.82, in the City of Irwindale, Los Angeles County. The Project proposes to rehabilitate the San Gabriel River Bridge deck by: (1) repair of bridge hinge diaphragms between Pier #6 and Pier #7; (2) replacement of all bridge Soffit access doors with hinge type aluminum or steel doors and; (3) replacement of bridge joint seals

on the bridge surface.

Access to the riverbed will be from a Los Angeles County Flood Control access road along the northwest side of the channel. The entrance is located south of Huntington Drive. A temporary access road in stream will be needed for the 1-ton manlift, pickup, and concrete delivery truck, as well as scaffolding. Excavation or temporary fill to accommodate the access road is not expected as part of the proposed project, however, a temporary construction

Deleted: 3

of 4,\_\_\_\_\_

# Project Information File No. 07-132

easement for approximately 33 feet upstream from the edge of the bridge will be needed to accommodate equipment staging and work activities.

The work area, in stream, will be limited to the location of the hinge joints, Soffit doors and access to those locations. The hinge diaphragms and Soffit doors are located between Pier 4 and Pier 5 and between Pier 6 to Pier 7. Joint seal replacement will be performed from the top of the bridge deck.

Clearing and grubbing of vegetation have the potential to impact nesting birds within the project impact area. Construction-related activities proposed for the bridge may potentially impact nesting swallows or swifts within the bridge structure. In addition, proposed work activities at the joints may potentially impact bats, if present, during the rehabilitation work. Best management practices will be strictly adhered to. Construction-related impacts such as noise and dust may also have temporary impacts to wildlife, however, all appropriate measures will be implemented to avoid and minimize impacts to such resources. Wildlife species that have the potential to be affected by construction include Northern Rough-winged Swallow and the Mexican Free-tailed Bat.

Water diversion is not anticipated as part of this project, since work activities in the streambed will be scheduled outside of the rainy season when no water is present.

Temporary impacts to jurisdictional areas will cover 1.15 acres of riparian habitat in the streambed at the bridge. Plant species that have the potential to be affected by construction include Mulefat and Brittlebush. The streambed will need to be partially graded to clear rocks for a temporary access road in-stream. Direct impacts will include cutting mulefat scrub for the temporary access road. Approximately 0.37 acres of disturbed mulefat scrub will be removed as a result of the proposed project. Vegetation will be cut without uprooting in order to minimize impact.

7. Federal Agency/Permit:

U.S. Army Corps of Engineers NWP No. 14 (Permit No. 2008-00303-VEN)

8. Other Required California Department of Fish and Game

Deleted: 3

2 of 4

# Project Information File No. 07-132

Regulatory Approvals: Streambed Alteration Agreement 9. California Caltrans determined that the Project is Categorically Exempt from CEQA pursuant to the CEQA Guidelines, Section 15301 (Existing **Environmental Quality** Facilities); however, as stipulated in the Caltrans CEQA Document, Act Compliance: the best management practices must be followed as a condition of the determination above. 10. Receiving Water: San Gabriel River (Hydrologic Unit No. 405.41) 11. Designated Beneficial MUN\*, GWR, REC-1, REC-2, WARM, WILD Uses: 12. \*Conditional beneficial use 13. Impacted Waters of the Non-wetland waters (vegetated streambed): 1.15 temporary acres **United States:** (492 linear feet) 14. Dredge Volume: None 15. Related Projects Emergency Bridge Repair (San Gabriel River Bridge No. 53-1867) Implemented/to be in 2003 Implemented by the Applicant: 16. Avoidance/ The Applicant has proposed to implement several Best Minimization Management Practices, including, but not limited to, the following: Activities: • All work done within the streambed will be performed during the dry season (April 1through November 1) to avoid potential impacts to water quality. • Raw cement, concrete, washing thereof, asphalt, paint, oil, petroleum products, or any substances which could be hazardous to aquatic life resulting from project activities, shall be prevented from contaminating the soil or entering any drainage. Deleted: 3

3 of 4

# Project Information File No. 07-132

- Contractors will be required to wash equipment and vehicles prior to and after entering project site and a written log of vehicle washing with respect to USFS Manual 2081.03 will be kept.
- Pre-construction surveys for nesting birds will be conducted.
   Nests will be flagged with a 100-foot radius of avoidance, until the birds leave their nests.
- Surveys for bats will be conducted before joint seals are replaced. If any bats are found, protocols from CDFG, USFS and USFWS will be used for exclusion by providing alternate bat habitat.
- Fencing will be installed in the surrounding construction area to prevent workers and equipment from entering the sensitive environment.
- Maintenance and construction equipment shall be checked and maintained daily by a contractor so as to prevent leaks or other potential contamination problems.
- The construction monitor, contractor, and maintenance personnel at the start of each workday will inspect for animals that may use the equipment for cover prior to equipment movement.
- At the end of the day when operations are complete, debris and trash shall be removed from the work area and properly disposed by the contractor.

17. Proposed Compensatory Mitigation:

None

18. Required Compensatory Mitigation:

For temporary impacts to 1.15 acres of vegetated streambed, the Applicant shall provide 1.15 acres of mitigation. See *Attachment B*, *Conditions of Certifications*, *Additional Conditions* for modifications and additions to the above proposed compensatory mitigation.

	Deleted: 3
	,
	/
	/
	/
	i i
4 of 4	/
· · · · · · · · · · · · · · · · · · ·	/

# Conditions of Certification File No. 07-132

### 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:

- 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 --- Formatted: Bullets and Numbering 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 ---- Formatted: Bullets and Numbering forth in the Water Quality Control Plan, Los Angeles Region (1994).
- 4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. 16, are incorporated as additional conditions herein.

# Conditions of Certification File No. 07-132

<u>5.</u>	The Applicant and all contractors employed by the Applicant shall have copies of this Certification, the approved maintenance plan, and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.	Formatted: Bullets and Numbering  Deleted: so they are
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.	Formatted: Bullets and Numbering
7.	All excavation, construction, or maintenance activities shall follow best management———————————————————————————————————	Formatted: Bullets and Numbering
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 Rodney Nelson, Land Disposal Unit, at (213) 620-6119 for further information.	Formatted: Bullets and Numbering
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.	Formatted: Bullets and Numbering
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.	Formatted: Bullets and Numbering

# Conditions of Certification File No. 07-132

12. The Applicant shall allow the Regional Board and its authorized representative entry to the Formatted: Bullets and Numbering 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. 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. 14. The Applicant shall not conduct any maintenance activities within waters of the State during a rainfall event, or at any period when site conditions would lead to excessive erosion. If any maintenance activities are to be held within five (5) days of a predicted rainfall event, the Applicant shall stage materials necessary to prevent water degradation on site, and shall ensure that all stabilization procedures are completed prior to the rainfall event. 15. If rain is predicted after operations have begun, grading activities must cease immediately Formatted: Bullets and Numbering and the site must be stabilized to prevent impacts to water quality, and minimize erosion and runoff from the site. 16. Sediment removal at each phase shall not go beyond the extent as defined in the application Formatted: Bullets and Numbering packet. 17. The grading, stabilization and re-vegetation will be phased to limit the exposed or working Formatted: Bullets and Numbering 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. 18. No activities shall involve wet excavations (i.e., no excavations shall occur below the Formatted: Bullets and Numbering 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 to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.

19. All project, construction, or 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.

# Conditions of Certification File No. 07-132

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, 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:

Formatted: Bullets and Numbering

**Deleted:** pH, temperature, dissolved oxygen, turbidity, and total suspended solids

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

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be 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. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection.

21. The Applicant shall restore the proposed **1.15 acres** 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 (including irrigation to reestablish) 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.

# Conditions of Certification File No. 07-132

22. The Applicant shall provide COMPENSATORY MITIGATION to offset the proposed temporal loss of **1.15 acres** waters of the United States by creating or restoring riparian habitat at a minimum **1:1** area replacement ratio (**1.15 acres**).

Deleted: 1

- 23. If the Applicant proposes funding to a third-party organization for the creation or restoration of a total of **1.15 acres** of vegetated streambed riparian habitat within waters of the United States/Federal jurisdictional wetlands, then funding shall apply to mitigation acreage only, exclusive of administrative costs. The mitigation site shall be located within the San Gabriel River Watershed unless otherwise approved by this Regional Board. The Applicant shall submit a **Proposed Mitigation Report** which shall include:
  - (a) Documentation from the third party indicating that funds have been used for mitigation acreage only, which do not include administrative costs.
  - (b) 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.
  - (c) The type(s) of mitigation shall be described (e.g., removal of exotics and/or replanting with native species, etc.)
  - (d) 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. All open space and mitigation areas shall be placed within a conservation easement to ensure preservation in perpetuity. Documentation of proper easement placement shall be submitted to the Regional Board within one year.

Formatted: Bullets and Numbering

- 25. The Applicant shall submit to this Regional Board Annual Mitigation Monitoring Reports (Annual Reports) by January 1<sup>st</sup> 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:
  - (e) Color photo documentation of the pre- and post-project and mitigation site conditions;
  - (f) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;

# Conditions of Certification File No. 07-132

- (g) The overall status of project including a detailed schedule of work;
- (h) Copies of all permits revised as required in Additional Condition 1;
- (i) Water quality monitoring results for each reach (as required) compiled in an easy to interpret format;
- (j) A certified Statement of "no net loss" of wetlands associated with this project;
- (k) Discussion of any monitoring activities and exotic plant control efforts; and
- (1) A certified Statement from the permittee or his/her representative that all conditions of this Certification have been met.
- 26. Prior to any subsequent maintenance activities within the subject drainages, 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 existing condition; (c) the area of proposed temporary impact within waters of the State; (c) 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.

Formatted: Bullets and Numbering

27. All applications, reports, or information submitted to the Regional Board shall be signed:

Formatted: Bullets and Numbering

- (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.
- 28. Each and any report submitted in accordance with this Certification shall contain the Formatted: Bullets and Numbering 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

# Conditions of Certification File No. 07-132

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)"	
<u>29.</u>	_All communications regarding this project are identify the Project File Number <b>07-132</b> . Submit Certification Unit.		Formatted: Bullets and Numbering
<u>30.</u>	_Any modifications of the proposed project may Section 401 Water Quality Certification applicat		Formatted: Bullets and Numbering
31.	The project shall comply with the local regula Municipal Stormwater Permit issued to the De NPDES No. CAS000003 and Waste Discharge This includes the Standard Urban Storm Wate implementing local ordinances and regulations new development and redevelopment.	epartment of Transportation (Caltrans) under e Requirements Order No. 99 - 06 - DWQ. er Mitigation Plan (SUSMP) and all related	Formatted: Bullets and Numbering
32.	The project shall comply with all requirem Elimination System (NPDES) <b>General Permit</b> : Construction Activity, Order No. 99-08-DWQ. located outside of any water of the State and mitigation credit.	for Storm Water Discharges Associated with . All stormwater treatment systems shall be	
33.	Coverage under this Certification may be transpermit may legally be transferred and furthe Executive Officer at least 30 days before the pransperment as written agreement between the existing and recoverage, responsibility for compliance with this	or provided that the Applicant notifies the oposed transfer date, and the notice includes new Applicants containing a specific date of	Formatted: Bullets and Numbering
34.	The Applicant or their agents shall report any no provided verbally to the Executive Officer wi becomes aware of the circumstances. A writte five days of the time the Applicant becomes	thin 24 hours from the time the Applicant n submission shall also be provided within	Formatted: Bullets and Numbering

submission shall contain a description of the noncompliance and its cause; the period of

# Conditions of Certification File No. 07-132

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.

35. Enforcement: Formatted: Bullets and Numbering

- (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.
- (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.

36. 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.