



# California Regional Water Quality Control Board

## Los Angeles Region



Linda S. Adams  
Acting Secretary for  
Environmental  
Protection

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Edmund G. Brown Jr.  
Governor

Mr. Samuel K. Wilson  
City of Vernon  
4305 Santa Fe Avenue  
Vernon, California 90058

### WATER QUALITY CERTIFICATION FOR PROPOSED REHABILITATION OF ATLANTIC BLVD. BRIDGE PROJECT (Corps' Project No. 2010-01083-GS), LOS ANGELES RIVER, CITY OF VERNON, LOS ANGELES COUNTY (File No. 10-160)

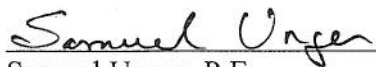
Dear Mr. Wilson:

Board staff has reviewed your request on behalf of County of Ventura – Harbor Department (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on February 2, 2011.

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

  
\_\_\_\_\_  
Samuel Unger, P.E.  
Executive Officer

March 18, 2011  
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. 10-160**

1. Applicant: Samuel K. Wilson  
City of Vernon  
4305 Santa Fe Avenue  
Vernon, California 90058  
  
Phone: (323) 583-8811 Fax: (323) 826-1435
2. Applicant's Agent: Kevin Brandt  
Stantec Consulting Services, Inc.  
19 Technology Drive  
Irvine, California 92618  
  
Phone: (949) 923-6211 Fax: (949) 923-6171
3. Project Name: Rehabilitation of Atlantic Blvd. Bridge over the Los Angeles River
4. Project Location: Los Angeles River, Los Angeles County
- | <u>Latitude</u> | <u>Longitude</u> |
|-----------------|------------------|
| 33.993947       | 118.183097       |
| 33.995673       | 118.181719       |
| 33.995317       | 118.181328       |
| 33.993525       | 118.182929       |
| 33.995673       | 118.181719       |
| 33.995317       | 118.181328       |
| 33.993525       | 118.182929       |
| 33.993947       | 118.183097       |
5. Type of Project: Bridge Repair
6. Project Purpose: The project (Project) will improve bridge and safety conditions along the Atlantic Bridge transportation corridor at the Los Angeles River crossing.
7. Project Description: Atlantic Boulevard is a vital link that provides access from the area's central manufacturing district to Interstate 710 and the ports



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of Long Beach and Los Angeles.

The Atlantic Boulevard Bridge, (California Bridge No. 53C-0252, Los Angeles County Bridge No. 655) crosses over the Los Angeles River at the approximate river station of 884+37 (a USACE designated station) in the City of Vernon. The bridge was constructed in 1931 and is architecturally unique, consisting of a concrete arch bridge with seven spans and six supporting pier walls (with spans of 60 feet each). Piers are numbered 1 through 6 beginning at the south end of the bridge. The existing bridge deck is 71 feet wide and the total length is 464 feet. The rehabilitation project will add a 16-foot width to the west side (upstream) and 22-foot width to the east side (downstream). The overall length of bridge will remain unchanged. There will be no lane tapers and the bridge will have a constant width.

The bridge piers will require lengthening to support the additional deck width. The existing pier walls are approximately 67 feet long and will be extended 38 feet, along with a 45-foot long debris nose on the upstream end. The total proposed length will be 147 feet. The piers are supported on 16-inch square piles spaced about three feet apart in five rows parallel to the river axis. The pile cap is 16 feet wide and extends below channel grade for six feet. The bridge abutments are also supported on 16 inch square piles and will be lengthened the corresponding distance to 16 feet on the west side, and 22 feet on the east side.

The pier wall extension near the centerline of the channel requires realignment of the low flow channel at the upstream and downstream end of the extension. The existing low flow channel will be extended along the pier wall and will rejoin the existing low flow channel beyond the pier wall ends similar to the existing condition.

To drive piles, construct pier wall extensions, and realign the low flow channel the channel lining will be saw-cut and base material excavated. Excavation depths include an estimated six feet for piers and two feet for the low flow channel.

Cofferdams will be required to direct flows away from excavated sections of the channel. Cofferdams and any construction performed in the river channel will occur during the dry season, between April

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15<sup>th</sup> through October 15<sup>th</sup>.

The heavy equipment required for in-channel work including cutting channel lining, excavation, drilling, formwork, and concrete pouring, includes drilling rigs, excavators, loaders, material haul trucks, cranes, and utility trucks. Concrete mix trucks and pumps may require in-channel access. In addition to channel invert work, the abutments will be extended and the lining near the top of each bank will be cut and removed to allow for excavation, pile drilling, formwork, and concrete work.

8. Federal Agency/Permit: U.S. Army Corps of Engineers  
NWP No. 14 (Linear Transportation Projects)  
Permit No. 2010-01083-GS
9. Other Required Regulatory Approvals: California Department of Fish and Game  
Streambed Alteration Agreement
10. California Environmental Quality Act Compliance: URS Corporation prepared a *Final Initial Study and Mitigated Negative Declaration* (MND) for the Proposed Atlantic Bridge Boulevard Widening Over the Los Angeles River (SCH #2006091013). The City of Vernon found the project would not have a significant effect on the environment if mitigation measures were followed on October 26, 2006.
- A Notice of Determination for the MND was filed with the Los Angeles County Clerk on November 6, 2006
11. Receiving Water: Los Angeles River (Hydrologic Unit No. 405.15)
12. Designated Beneficial Uses: MUN\*, IND, PROC, GWR, REC-1, REC-2, WARM, WILD  
\*Conditional beneficial use
13. Impacted Waters of the United States: Non-wetland waters (unvegetated streambed): 0.45 temporary acres (300 linear feet) and 0.05 permanent acres (95 linear feet)

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### Project Information File No. 10-160

14. Dredge Volume: None
15. Related Projects Implemented/to be Implemented by the Applicant: The Applicant has not identified any related projects carried out in the last 5 years or planned for implementation in the next 5 years.  
None
16. Avoidance/Minimization Activities: The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:
- Work area will be isolated from the active River flow by the placement of cofferdams.
  - Work in channel is scheduled during dry weather (April 15<sup>th</sup> to October 15<sup>th</sup>).
  - In the event of forecast rain events, the work shall be temporarily stopped.
  - Stock piles shall be covered as protection from wind.
  - Material delivery will be placed in designated areas for storage (reinforcing steel, lumber for concrete forms, admix if required) away from active flow areas.
  - Saw-cuttings and saw-cut slurry will be collected and taken out of river channel.
17. Proposed Compensatory Mitigation: The Applicant has not proposed compensatory mitigation
18. Required Compensatory Mitigation: No compensatory mitigation will be assessed due to the temporary nature of the impacts in the concrete-lined channel. See *Attachment B, Conditions of Certifications, Additional Conditions* for modifications and additions.



## ATTACHMENT B

### Conditions of Certification File No. 10-160

#### 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 the Regional Board 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.
14. 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** 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.
15. All project or construction 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.
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 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

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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 restore the proposed **0.45 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.
18. The Applicant shall submit to this Regional Board **Annual 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 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 and mitigation efforts. At a minimum the Annual Reports shall include the following documentation:
  - (a) Color photo documentation of the pre- and post-project conditions;
  - (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project area;
  - (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 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.
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.



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- (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 **10-160**. 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.
- 23. The project shall comply with the local regulations associated with the Regional Board’s **Municipal Stormwater Permit** issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. 01-182. 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. The project shall 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.



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25. 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.
26. 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.
27. *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.
  - (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.
28. 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.