



**Colorado River Basin Regional Water Quality Control Board**

October 7, 2016

Harwell Ontoy  
California Department of Transportation  
4050 Taylor Street  
San Diego, CA 92110

Dear Mr. Ontoy:

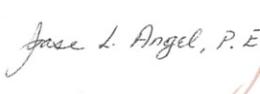
**RE: CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER FOR THE EMERGENCY SCOUR BRIDGE REPAIR PROJECT (WDID FILE # 7A133146001**

Enclosed please find a CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER, authorized by the Colorado River Basin Regional Water Quality Control Board. This Water Quality Certification (WQC) is issued to the California Department of Transportation for the Emergency Bridge Scour Repair Project on IMP- 8 and 111 (Project)

This WQC is issued in response to an application submitted by the California Department of Transportation for proposed Project discharges to waters of the US, to ensure that the water quality standards for all waters of the US impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed WQC.

If you require further assistance, please contact me by phone at 760-776-8981 or by email at [Jay.Mirpour@waterboards.ca.gov](mailto:Jay.Mirpour@waterboards.ca.gov). You may also contact Kai Dunn, Senior Water Resource Control Engineer, by phone at 760-776-8986 or by email at [Kai.Dunn@waterboards.ca.gov](mailto:Kai.Dunn@waterboards.ca.gov).

Sincerely,

 Digitally signed by Jose L. Angel  
Date: 2016.10.07 10:06:01 -07'00'

Jose Angel  
Executive Officer  
Colorado River Basin Water Quality Control Board

Enclosures (1): WQC for Emergency Bridge Scour Repair Project

NANCY WRIGHT, VICE CHAIR | JOSE L. ANGEL, EXECUTIVE OFFICER

California Department of Transportation  
Emergency Bridge Scour Repair Project  
WDID FILE # 7A133146001

cc:

Jason Brush  
Chief, Wetlands Regulatory Office  
(WTR-8)  
U.S. Environmental Protection Agency, Region 9  
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Kai Dunn  
Program Manager  
Colorado River Regional Water Quality Control Board  
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Colorado River Basin Regional Water Quality Control Board

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**CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER**

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**Effective Date:** October 7, 2016

**Program Type:** Fill/Excavation

**Project Type:** Outfall Structures

**Project:** Bridge Scour Repair Project (Project)

**Applicant:** California Department of Transportation (Caltrans), District 11  
**Applicant Contact:** Harwell Ontoy  
Project Manager  
California Department of Transportation  
4050 Taylor Street  
San Diego, CA 92110  
Phone: 619-688-3367  
Email: harwell.ontoy@dot.ca.gov

**Applicant's Agent:** Kim T. Smith  
Senior Environmental Planner  
4050 Taylor Street, MS 242  
San Diego, CA 92110  
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Email: kim.smith@dot.ca.gov

**Water Board Staff:** Jay Mirpour  
Water Resource Control Engineer  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260  
Phone: 760-776-8981  
Email: Jay.Mirpour@waterboards.ca.gov

|                |                    |
|----------------|--------------------|
| Reg. Meas. ID: | NA                 |
| Place ID:      | NA                 |
| WDID:          | 7A133146001        |
| USACOE#:       | SPL-2016-00536-VCL |

**Water Board Contact Person:**

If you have any questions, please call Colorado River Basin Regional Water Quality Control Board (Colorado River Basin Water Board) Staff listed above or (760) 346-7491 and ask to speak with the 401 Water Quality Certification Program Manager.

- Attachment A** Maps
- Attachment B** Receiving Waters, Impact, and Mitigation Information
- Attachment C** CEQA Findings of Facts
- Attachment D** Signatory Requirements

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## I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of the California Department of Transportation (herein after Permittee) for the Project. This Order is for the purpose described in application and supplemental information submitted by the Permittee. The application was received on August 15, 2016. The application was deemed complete on September 14, 2016

## II. Public Notice

Public Notice was done on August 15, 2016 and completed on September 7, 2016.

## III. Project Description

Caltrans has a project to repair the effects of significant scouring from previous El Nino storm events that have damaged four box culverts managing flood water. The goal of the work is to apply rip-rap at the outlets to four culverts, repairing the culverts to meet current standards established by Caltrans. If not repaired, the culverts would continue to deteriorate with up-coming rains, and could cause collapse of the culvert and the roadway above. In addition, the work is necessary to prevent unauthorized access from the public driving recreational vehicles into and around the culverts which presents legal safety issues, and increases the potential effects to sensitive species in the area. The project features would restrict this unauthorized activity.

The repair work would include the following basic steps at each site to repair the scour that has occurred, and install protection to prevent further damage and unauthorized use by the public, and would bring the sites up to current design standards:

1. Excavate in front of, down-hill side of culvert, to a depth of approximately 5' - 7' below floor of culvert.
2. Grade area to desired configuration, approximately 10' wide along the outlet and wing wall slopes.
3. Lay filter fabric over graded area.
4. Place "No. 2-Backing" (approximately 4" pebbles) over filter fabric, to create a layer approximately 1 1/2" or 2" deep.
5. Place 1/2-Ton or 1-Ton size rock on top of "No. 2-Backing".

\* Two sites currently have RSP &/or concrete filled sandbags that have been scoured away (Coyote Wash 1 and Clay Wash). At these locations the project would be replacing-in-kind. See accompanying mapping and photos.

#### IV. Project Location

City or Area: *Interstate 8 and State Route 111 right-of-way*

County: Imperial County

Longitude/Latitude *Coyote W.1 -115.878/32.755, Coyote W.2 -115.850/32.760, Clay W. -115.631/33.349, Alky W. -115.632/33.351*

Township/Range *Coyote W.1 - T.16.S/R.10.E, Coyote W.2 - T.15.S/R.10.E, Clay W. – T.9.S/R.13.E, Alky W. - T.9.S/R.13.E* San Bernardino Base Meridian

#### **Project Impact and Receiving Waters Information**

The Project is located within the jurisdiction of Colorado River Basin Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable Water Quality Control Plan for the Colorado River Basin Region (Basin Plan) for the Colorado River Basin Region and other plans and policies which may be accessed online at:

[http://www.waterboards.ca.gov/plans\\_policies/](http://www.waterboards.ca.gov/plans_policies/). Project impact and receiving waters information can be found in Attachment A. Ephemeral washes (i.e., Clay Wash, Alky Wash, and East Coyote Wash) are the receiving waters.

The Basin Plan was prepared by the California Regional Water Quality Control Board, Colorado River Basin Region, in accordance with criteria contained in the California Porter-Cologne Water Quality Control Act, the Federal Clean Water Act, and other pertinent state and federal rules and regulations. It includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

#### **Description of Direct Impacts to Waters of the US**

Construction of the proposed project would result in 0.11 acres (Permanent Streambed unvegetated) and 0.88 acres (Temporary Streambed unvegetated), 290 linear feet (Permanent Streambed unvegetated) and 490 linear feet (Temporary Streambed unvegetated) impact.

Project fill/excavation quantities for all impacts are summarized in Table 1. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

| Table 1: Total Project Fill/Excavation Quantity |                               |                 |     |                       |    |     |  |    |    |
|---|-------------------------------|-----------------|-----|-----------------------|----|-----|--|----|----|
| Aquatic Resource Type                           | Temporary Impact <sup>3</sup> |                 |     | Permanent Impact      |    |     |  |    |    |
|   |                               |                 |     | Physical Loss of Area |    |     | Degradation of Ecological Condition Only |    |    |
|   | Acres                         | CY <sup>4</sup> | LF  | Acres                 | CY | LF  | Acres                                    | CY | LF |
| Lake  |                               |                 |     |                       |    |     |  |    |    |
| Ocean/bay/estuary                               |                               |                 |     |                       |    |     |  |    |    |
| Riparian Zone                                   |                               |                 |     |                       |    |     |  |    |    |
| Stream Channel                                  | 0.88                          |                 | 490 | 0.11                  |    | 290 |  |    |    |
| Vernal Pool                                     |                               |                 |     |                       |    |     |  |    |    |
| Wetland   |                               |                 |     |                       |    |     |  |    |    |

**V. Description of Indirect Impacts to Waters of the State**

No direct impact to Waters of the State is anticipated because the proposed repair work shall be conducted when it is not raining where the repair work is taking place and when there is no flow in the washes; and because the Permittee shall be using Best Management Practices as described below.

**VI. Avoidance and Minimization**

Caltrans shall use the following Best Management Practices (BMPs) to minimize impacts during construction:

- Temporary fiber roll
- Temporary construction entrance
- Temporary construction washout facility
- Temporary drainage inlet protection

Fiber rolls will help stabilize soil adjacent to the unvegetated wash during construction. The temporary construction entrance, washout facility and drainage inlet protection will all minimize the chance of construction related fluids and/or sediment from getting into the unvegetated wash.

**VII. Compensatory Mitigation**

No compensatory mitigation is required as part of this Order for permanent impacts because impacts are minimal. Temporary impacts occur in an unvegetated location of the wash. The majority of impacts (.88 acres) are due to temporary access for the project construction. Only .11 acres are permanent. This impact is due to installing

<sup>3</sup> Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

<sup>4</sup> Cubic Yards (CY); Linear Feet (LF)

filter fabric and rock slope protection, which will help protect the water quality in the future, especially during flash flood and heavy rain events.

### **VIII. California Environmental Quality Act (CEQA)**

The Colorado River Basin Water Board has determined that the Project is statutorily exempt from review under CEQA pursuant to section 21080(b)(2) of the Public Resources Code and California Code of Regulations, title 14, section 15269(b) because it constitutes an emergency repair to publically owned service facilities necessary to maintain service essential to public health, safety, or welfare. The activities authorized by issuance of this Order are intended to repair storm-damaged culverts at risk of causing a collapse to adjacent roadways if they are not repaired prior to the onset of the rainy season.

### **IX. Petitions for Reconsideration**

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

### **X. Fees Received**

An application fee of \$10,530.00 was received on July 21, 2016. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

### **XI. Conditions**

The Colorado River Basin Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

#### **A. Authorizations**

- a. No toxic and/or hazardous materials shall be stored near or within wash/drainage areas. To extent possible, these materials will be offsite and/or placed in appropriate secondary containment.
- b. Work shall be performed under "no flow" conditions in the washes to preclude potential impacts to water quality.
- c. Work and staging areas and temporary access routes shall be sized, located and flagged so as to limit potential impacts to natural areas. Previous disturbed areas shall be used to the extent feasible.

- d. No fueling or maintenance of equipment and/or vehicles shall occur adjacent or within the wash/drainage areas.
- e. Spoil sites shall not be located where spoil could be washed back into the river, or where spoil will cover aquatic or riparian vegetation. Any materials placed in seasonally dry portions of the canal/ drainage areas that could be washed downstream or could be harmful to aquatic life shall be removed from the streambed prior to inundation by high flows.
- f. After completing the activities, the disturbed area will be restored to pre-existing contours and conditions to the extent feasible.

## B. Reporting and Notification Requirements

### 1. Project Reporting

- a. **Monthly Reporting:** No monthly reporting is required because the majority of the impacts are temporary and the work period is only 20 working days.
- b. **Annual Reporting:** No annual reporting is required because the majority of the impacts are temporary and the work period is only 20 working days.
- c. **Other Reporting:** The Permittee shall take pictures of the area where repair work needs to take place documenting the before and after conditions of the area; and shall maintain a daily log, for each site where work is taking place pursuant to this Order, while the Permittee conducts its repair activities. The log shall:
  - Identify the name of the name/ID and location of the bridge where repair work is being conducted;
  - Provide a general description of the repair work;
  - Specify the date and daily starting and ending time for the repair work;
  - Note key weather conditions (e.g., temperature, wind speed and direction, precipitation if any);
  - Include notes from visual observations regarding the presence/absence of construction debris/trash (e.g., discarded filter fiber) and used oil (e.g., oil that leaks from construction equipment) in the area where the work is taken place.

**Within 30 days following completion of all repair work**, the Permittee shall submit to the Colorado River Basin Water Board a summary report of the key daily log entries. The summary report shall include the above-mentioned before and after pictures of the conditions of the area and shall be signed by the Permittee's Project Manager.

### 2. Project Status Notifications

- a. **Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.
- b. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Colorado River Basin Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Colorado River Basin Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.
- c. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,<sup>6</sup> and no further Project activities will occur. This request shall be submitted to Colorado River Basin Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Colorado River Basin Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

**3. Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.

**a. Accidental Discharges of Hazardous Materials<sup>7</sup>**

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
  - first call – 911 (to notify local response agency)
  - then call – Office of Emergency Services (OES) State Warning Center at:

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<sup>6</sup> Completion of post-construction monitoring shall be determined by Colorado River Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

<sup>7</sup> "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

(800) 852-7550 or (916) 845-8911

- Lastly follow the required OES procedures as set forth in:  
[http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill%20Booklet%20Feb2014%20FINAL%20BW%20Acc.pdf)
- ii. Following notification to OES, the Permittee shall notify Colorado River Basin Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- iii. Within five (5) working days of notification to the Colorado River Basin Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

**b. Violation of Compliance with Water Quality Standards:** The Permittee shall notify the Colorado River Basin Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

- i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
- ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

**c. In-Water Work**

- i. The Permittee shall notify the Colorado River Basin Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Colorado River Basin Water Board staff.

**d. Modifications to Project**

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Colorado River Basin Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Colorado River Basin Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

- e. Transfer of Property Ownership:** This Order is not transferable in its entirety or in part to any person or organization except after notice to the Colorado River Basin Water Board in accordance with the following terms:
- i. The Permittee must notify the Colorado River Basin Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Colorado River Basin Water Board at least 10 days prior to the transfer of ownership.
  - ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

### C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

The Applicant shall submit a Report to the Colorado River Basin Water Board within 30-days after encountering the pollutants and describe actions taken to correct the problem and provide photographic documentation that supports the information in the Report.

2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Colorado River Basin Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

### D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Colorado River Basin Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Colorado River Basin Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality

standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313).

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, 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 Order.

#### **E. General Compliance**

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Colorado River Basin Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
3. In response to a suspected violation of any condition of this Order, the Colorado River Basin Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all

subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.

5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
6. Construction General Permit Requirement: The Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002).

#### **F. Administrative**

1. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.
2. The Permittee shall grant Colorado River Basin Water Board staff or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
  - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
  - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
  - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
  - d. Sample or monitor for the purposes of assuring Order compliance.
3. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
4. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the

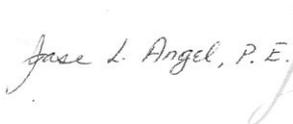
Project shall be familiar with the content of this Order and its posted location at the Project site.

5. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order conditions or the CEQA environmental document such that the Project impacts are not addressed in the Project's environmental document or the conditions of this Order. In this case a supplemental environmental review and different Order will be required.

## XII. Conclusion

I hereby issue the Order for the Emergency Bridge Scour Repair Project , WDID No. 7A133146001 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act 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).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.



Digitally signed by Jose L.  
Angel  
Date: 2016.10.07 11:02:18  
-07'00'

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Jose L. Angel  
Executive Officer  
Colorado River Basin  
Water Quality Control Board

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Date

### DIRECTIONS FROM SAN DIEGO TO 4 SITES

I-8 East to post miles 18.88 and 20.51 (1 hr and 25 min), located approximately 2 miles east of the town of El Centro. For the next two sites, continue traveling east on I-8 into El Centro, and turn north on SR-111 toward the town of Niland. Continue traveling on SR-111 passed Niland along the east side of the Salton Sea to post miles 50.65 and 50.79 (1 hr and 20 min).

☀ = Culvert Sites



# Emergency Bridge Scour Project (30250)

CALTRANS  
05/03/2016

## PURPOSE AND NEED

Caltrans has an emergency project to repair the effects of significant scouring from previous El Nino storm events that have damaged four box culverts that manage flood water.

The goal of the work is to repair the culverts to current standards as El Nino storms have caused damage to the culverts and if not repaired the culverts would deteriorate and collapse. See accompanying photos of all sites, especially Clay Wash and Alky Wash. In addition, the work would prevent unauthorized access from the public driving recreational vehicles into and around the culverts which effects sensitive species. Investigation of two sites at East Coyote Wash (1 & 2) have shown evidence of the public accessing these sites with recreational vehicles, endangering wildlife, especially sensitive species such as migratory birds, swallows and burrowing owls that inhabit the culverts and surrounding area. The project features would restrict this unauthorized activity. Please see Exhibit with photos of East Coyote Wash #1 and #2 to see tire tracks which illustrates the vehicle activity.

A Caltrans Area Bridge Maintenance Engineer (ABME) inspection of bridges in District 11 after recent storm events has identified locations with significant scoring at culverts, and identified the following four locations where the degree of scouring is threatening to undermine the structures (box culverts) and the highway above:

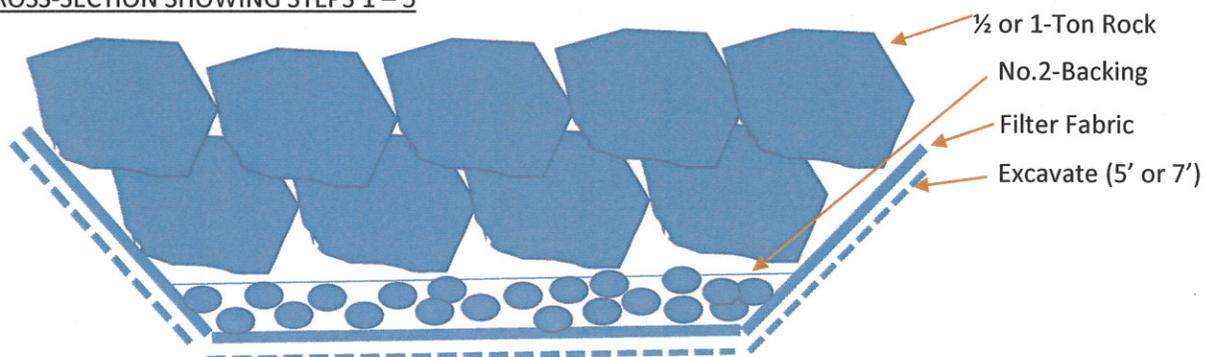
- EAST COYOTE WASH #1, 11-IMP-8-PM: 18.88 (32.755 – 115.878 degrees)
- EAST COYOTE WASH #2, 11-IMP-8-PM: 20.51 (32.760 -115.850 degrees)
- CLAY WASH, 11-IMP-111-PM: 50.65 (33.349 -115.631 degrees)
- ALKY WASH, 11-IMP-111-PM: 50.79 (33.351 -115.632 degrees)

## PROJECT DESCRIPTION

The repair work would include the following basic steps at each site to repair the scour that has occurred, and install protection to prevent further damage and unauthorized use by the public, and would bring the sites up to current design standards:

1. Excavate in front of, down-hill side of culvert, to a depth of approximately 5' - 7' below floor of culvert.
2. Grade area to desired configuration, approximately 10' wide along the outlet and wing wall slopes.
3. Lay filter fabric over graded area.
4. Place "No.2-Backing" (approximately 4" pebbles) over filter fabric, to create a layer approximately 1 1/2" or 2" deep.
5. Place 1/2-Ton or 1-Ton size rock on top of "No.2-Backing".

## CROSS-SECTION SHOWING STEPS 1 – 5



# SITE 1 EAST COYOTE WASH #1

MC #16-045 11-30250  
EMERGENCY BRIDGE SCOUR REPAIR



**SITE 1**  
**EAST COYOTE WASH #1**

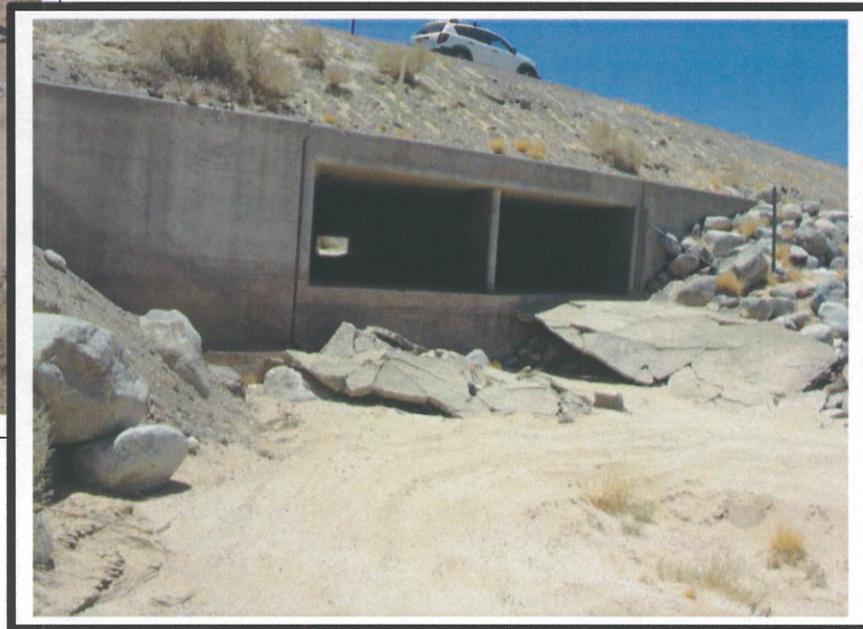
MC #16-045 11-30250  
EMERGENCY BRIDGE SCOUR REPAIR



**East Coyote Wash-1**  
**32.755 -115.878 degrees**  
I-8, Imperial County, PM: 18.88

**Inlet into culvert on the south side of I-8.**

- Notice vehicle tracks going inside the culvert and out (next photo) onto unstable rock/concrete slab on south side.



**East Coyote Wash-1**  
**32.755 -115.878 degrees**  
I-8, Imperial County, PM: 18.88

**Outlet of culvert on the north side of I-8.**

- Notice unstable rock/concrete slab
- Notice previously placed rip-rap rocks have been scoured away.
- Project would replace-in-kind.

# SITE 1 EAST COYOTE WASH #1

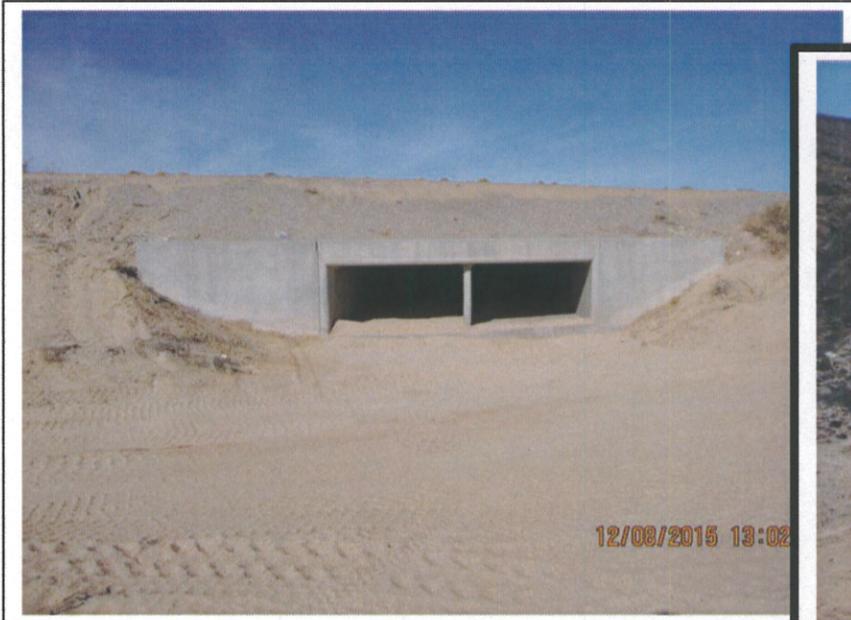


MC #16-045 11-30250  
EMERGENCY BRIDGE SCOUR REPAIR

## SITE 2 EAST COYOTE WASH #2



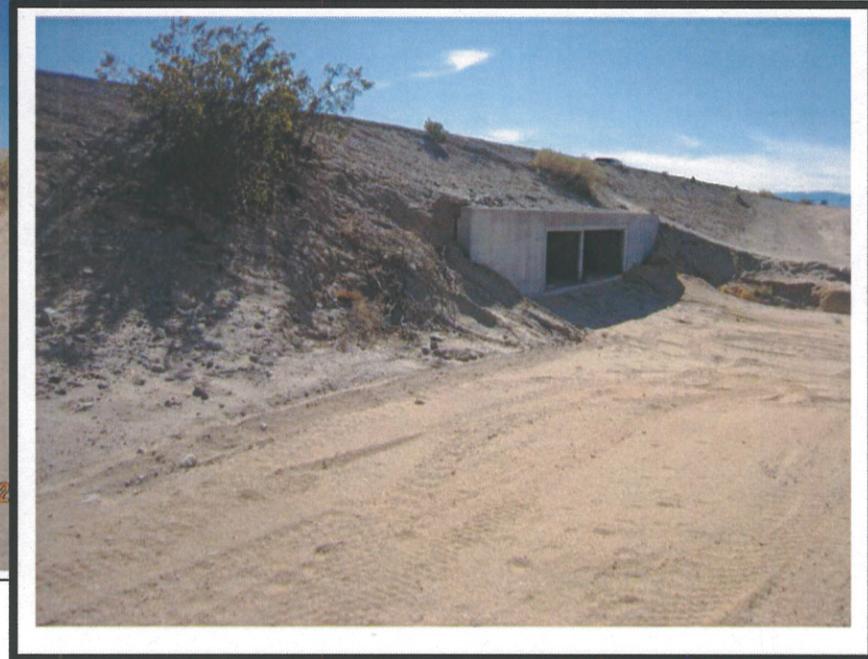
## SITE 2 EAST COYOTE WASH #2



East Coyote Wash-2  
32.760 -115.850 degrees  
I-8, Imperial County, PM: 20.51

**Inlet of culvert on the south side of I-8.**

- Notice vehicle tracks going in and out of the culvert.



East Coyote Wash-2  
32.760 -115.850 degrees  
I-8, Imperial County, PM: 20.51

**Outlet of culvert on the north side of I-8.**

- Notice vehicle tracks going in and out of the culvert.
- While currently graded, the scour along red rock wing-wall is evident showing previous underlying scour.
- Also, sand has been added by unknown party, not Caltrans, which is stable only until next storm event, especially at outlet, where water would uncover previous scour and most likely cause more damage.

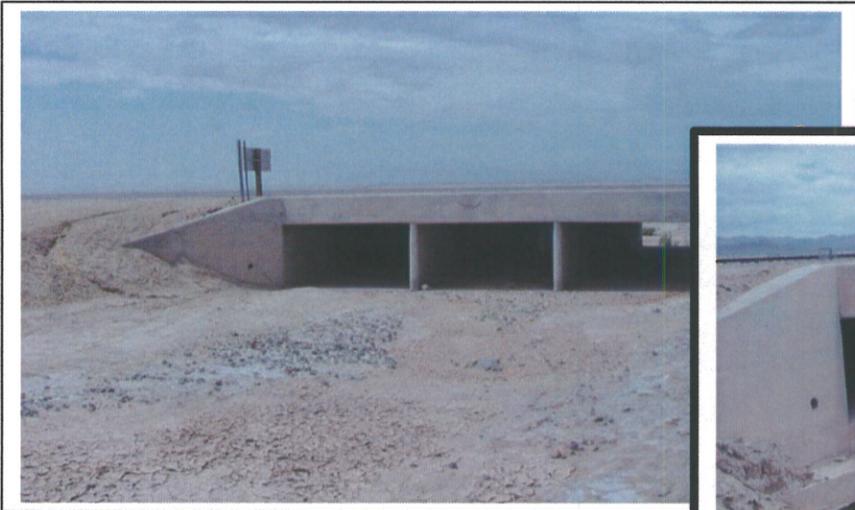
### SITE 2 EAST COYOTE WASH #2



### SITE 3 CLAY WASH



**SITE 3**  
**CLAY WASH**



**Clay Wash**  
**33.349 -115.631 degrees**  
SR-111, Imperial County, PM: 50.65

**Inlet to culvert on the east side of SR-111.**

- Notice erosion of area just beyond the wing-wall on each side of the culvert.



**Clay Wash**

**33.349 -115.631 degrees**  
SR-111, Imperial County, PM: 50.65

**Outlet from culvert on the west side of SR-111.**

- Notice scour is severely undermining this culvert, which left unrepaired would cause collapse of the culvert and the road above.



### SITE 3 CLAY WASH



### SITE 4 ALKY WASH



**SITE 4**  
**ALKY WASH**



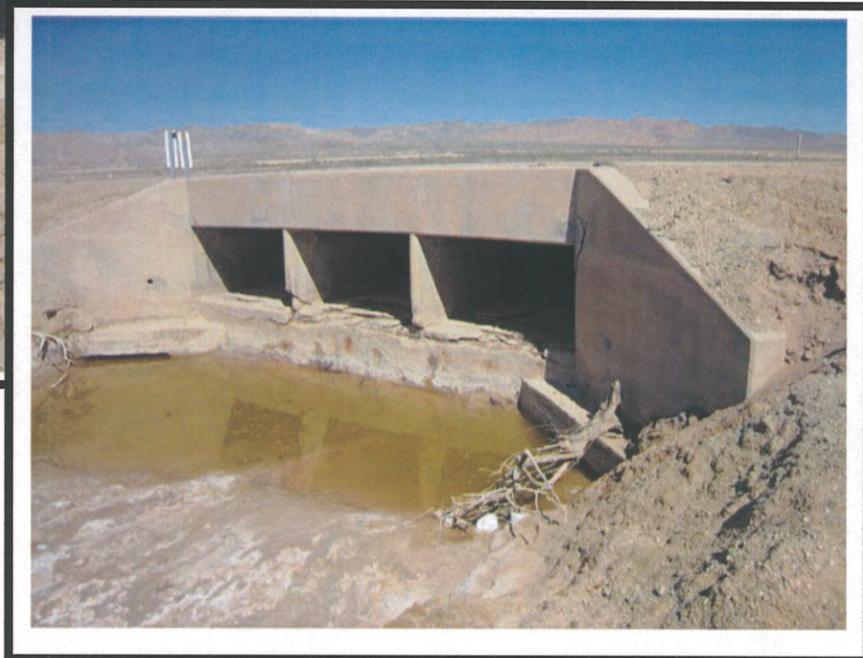
**Alky Wash**

**33.351 -115.632 degrees**

SR-111, Imperial County, PM: 50.79

**Inlet to culvert on east-side of SR-111.**

- Notice erosion of area just beyond the wing-wall on each side of the culvert.
- Rip-rap rocks would replace existing concrete sand bags.



**Alky Wash**

**33.351 -115.632 degrees**

SR-111, Imperial County, PM: 50.79

**Outlet from culvert on west-side of SR-111.**

- Notice scour is severely undermining this culvert as well as showing evidence of advanced deterioration, which left unrepaired would cause collapse of the culvert and the road above.





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**Receiving Waters**

The following table shows the receiving waters associated with each impact site.

| Table 1: Receiving Water(s) Information |                |                      |                                |                              |                       |                                  |                        |                       |
|---|----------------|----------------------|--------------------------------|------------------------------|-----------------------|----------------------------------|------------------------|-----------------------|
| Non-Federal Waters                      | Impact Site ID | Waterbody Name       | Impacted Aquatic Resource Type | Water Board Hydrologic Units | Receiving Waters      | Receiving Waters Beneficial Uses | 303d Listing Pollutant | eCRAM ID <sup>1</sup> |
| <input type="checkbox"/>                |                | <i>Coyote Wash I</i> | <i>Unvegetated wash</i>        |                              | <i>Colorado River</i> |                                  |                        |                       |
| <input type="checkbox"/>                |                | Coyote Wash II       | Unvegetated wash               |                              | Colorado River        |                                  |                        |                       |
| <input type="checkbox"/>                |                | Clay Wash            | Unvegetated wash               |                              | Colorado River        |                                  |                        |                       |
| <input type="checkbox"/>                |                | Alky Wash            | Unvegetated wash               |                              | Colorado River        |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |
| <input type="checkbox"/>                |                |                      |                                |                              |                       |                                  |                        |                       |

<sup>1</sup> California Rapid Assessment Method (CRAM) score of impacted sites provided by the Permittee.

### Individual Direct Impact Locations

The following table shows individual impact locations.

**Table 2: Individual Direct Impact Information**

| Impact Site ID  | Latitude | Longitude | Indirect Impact Requiring Mitigation |                                     | Direct Impact Duration | Dredge |             |             | Fill/Excavation |             |             |
|-----------------|----------|-----------|--------------------------------------|-------------------------------------|------------------------|--------|-------------|-------------|-----------------|-------------|-------------|
|                 |          |           | Yes                                  | No                                  |                        | Acres  | Cubic Yards | Linear Feet | Acres           | Cubic Yards | Linear Feet |
| 1Coyote Wash I  | -115.878 | 32.755    | <input type="checkbox"/>             | <input checked="" type="checkbox"/> | Temporary              |        |             |             | 0.16            |             | 80          |
|                 |          |           |                                      |                                     | Permanent              |        |             |             | 0.01            |             | 50          |
| 2Coyote Wash II | -115.850 | 32.760    | <input type="checkbox"/>             | <input checked="" type="checkbox"/> | Temporary              |        |             |             | 0.12            |             | 80          |
|                 |          |           |                                      |                                     | Permanent              |        |             |             | 0.02            |             | 40          |
| 3Clay Wash      | -115.631 | 33.349    | <input type="checkbox"/>             | <input checked="" type="checkbox"/> | Temporary              |        |             |             | 0.21            |             | 130         |
|                 |          |           |                                      |                                     | Permanent              |        |             |             | 0.04            |             | 80          |
| 4Alky Wash      | -115.632 | 33.351    | <input type="checkbox"/>             | <input checked="" type="checkbox"/> | Temporary              |        |             |             | 0.39            |             | 200         |
|                 |          |           |                                      |                                     | Permanent              |        |             |             | 0.04            |             | 120         |
| 5               |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |
|                 |          |           |                                      |                                     | Permanent              |        |             |             |                 |             |             |
| 6               |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |
|                 |          |           |                                      |                                     | Permanent              |        |             |             |                 |             |             |
| 7               |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |
|                 |          |           |                                      |                                     | Permanent              |        |             |             |                 |             |             |
| 8               |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |
|                 |          |           |                                      |                                     | Permanent              |        |             |             |                 |             |             |
| 9               |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |
|                 |          |           |                                      |                                     | Permanent              |        |             |             |                 |             |             |
| 10              |          |           | <input type="checkbox"/>             | <input type="checkbox"/>            | Temporary              |        |             |             |                 |             |             |

**Table 2: Individual Direct Impact Information**

| Impact Site ID | Latitude | Longitude | Indirect Impact Requiring Mitigation |    | Direct Impact Duration | Dredge |             |             | Fill/Excavation |             |             |
|----------------|----------|-----------|--------------------------------------|----|------------------------|--------|-------------|-------------|-----------------|-------------|-------------|
|                |          |           | Yes                                  | No |                        | Acres  | Cubic Yards | Linear Feet | Acres           | Cubic Yards | Linear Feet |
|                |          |           |                                      |    | Permanent              |        |             |             |                 |             |             |

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**Compensatory Mitigation Information**

The following table(s) show(s) individual compensatory mitigation information and locations.

**Permittee Responsible Compensatory Mitigation Site Information**

| <b>Table [3]: Onsite Permittee Responsible Compensatory Mitigation<sup>2</sup></b> |      |       |                       |                   |                     |             |
|--|------|-------|-----------------------|-------------------|---------------------|-------------|
| Impact Site ID   | Lat. | Long. | Aquatic Resource Type | Mitigation Method | Mitigation Quantity |             |
|  |      |       |                       |                   | Acres               | Linear Feet |
| N/A  |      |       |                       |                   |                     |             |
|  |      |       |                       |                   |                     |             |
|  |      |       |                       |                   |                     |             |
|  |      |       |                       |                   |                     |             |

**Mitigation Bank Compensatory Mitigation Site Information**

| <b>Table [4] Mitigation Bank</b> |          |     |
|----------------------------------|----------|-----|
| Mitigation Bank                  | Name:    | N/A |
|                                  | Website: |     |
| Contact Information              | Name:    |     |
|                                  | Phone:   |     |
|                                  | Email:   |     |

<sup>2</sup> Mitigation site is analyzed in the Project CEQA document.

| Mitigation Location          | County:           |                     |             |                             |
|------------------------------|-------------------|---------------------|-------------|-----------------------------|
|                              | Latitude:         |                     |             |                             |
|                              | Longitude:        |                     |             |                             |
| Aquatic Resource Credit Type | Mitigation Method | Mitigation Quantity |             |                             |
|                              |                   | Acres               | Linear Feet | Number of Credits Purchased |
|                              |                   |                     |             |                             |

**In-Lieu Fee Compensatory Mitigation Information**

| Table [5] In-Lieu Fee Program |                   |                     |
|-------------------------------|-------------------|---------------------|
| In-Lieu Fee Program           | Name:             | N/A                 |
|                               | Website:          |                     |
| Contact Information           | Name:             |                     |
|                               | Phone:            |                     |
|                               | Email:            |                     |
| Mitigation Location           | County:           |                     |
|                               | Latitude:         |                     |
|                               | Longitude:        |                     |
| Aquatic Resource Credit Type  | Mitigation Method | Mitigation Quantity |

|  |  | Acres | Linear Feet | Number of Credits Purchased |
|--|--|-------|-------------|-----------------------------|
|  |  |       |             |                             |

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**(A) {FINDINGS FOR CEQA EXEMPT PROJECTS}**

A Categorical Exemption/Categorical Exclusion Determination was prepared for this project pursuant to the provisions of CEQA on May 20, 2016.

On May 20, 2016, Caltrans as a Lead Agency reviewed and considered the above described project as Exempt by Statute (PRC 21080(b); 14CCR 15260 et seq.) – Emergency repairs to public Service facilities necessary to maintain service. This determination was made because:

- There will not be a significant cumulative effect by this project and successive projects of the same type in the same place, over time.
- There is not a reasonable possibility that the project will have a significant effect on the environment due to unusual circumstances.
- This project does not damage a scenic resource within an officially designated state scenic highway.
- This project is not located on a site included on any list compiled pursuant to Govt. Code § 65962.5 (“Cortese List”).
- This project does not cause a substantial adverse change in the significance of a historical resource.

The Colorado River Basin Water Board concluded that the Project does not have an impact and does not cause a substantial adverse change in water quality.

[XX]



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## SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order  
Shall Meet The Following Signatory Requirements:*

1. All applications, reports, or information submitted to the Colorado River Basin Water Quality Control Board (Colorado River Basin Water Board) must be signed and certified as follows:
  - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
  - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
  - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
  - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
  - c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.
3. Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”