

MITIGATION, MONITORING, AND REPORTING PLAN

Western Pacific Interceptor Canal Culvert Replacement Project

Yuba County, CALIFORNIA

This mitigation monitoring or reporting plan (MMRP) is designed to fulfill Section 21081.6 (a) of the California Public Resources Code (CEQA). Section 21081.6 (a) requires that public agencies adopt a reporting or monitoring program whenever a project or program is approved that includes mitigation measures identified in an environmental document for which the agency makes a finding pursuant to CEQA Section 21081 (a) (1). The mitigation measures and strategies described below and in the attached table are to be used to avoid, minimize, or reduce any potentially significant environmental impacts.

The MMRP table includes the following:

- Section and Impacts – identifies the issue area section of the Initial Study/Mitigated Negative Declaration (IS/MND) and corresponding impact.
- Mitigation Measures – lists the adopted mitigation measures from the IS/MND.
- Implementation Timing – identifies the timing of implementation of the action described in the mitigation measures.
- Responsible for Implementation – identifies the agency/party responsible for implementing the actions described in the mitigation measures. The Central Valley Flood Protection Board (CVFPB) and Department of Water Resources Sutter Maintenance Yard (SMY) will be responsible for implementing mitigation measures.
- Responsible for Monitoring – identifies the agency/party responsible for monitoring implementation of the actions described in the mitigation measures.

Section and Impacts	Mitigation Measures	Implementation Timing	Responsible for Mitigation	Responsible for Monitoring
4.3 Air Quality The project would require the use of equipment that produces fumes containing criteria pollutants regulated by the Feather River Air Quality Management District	Submittal of a Fugitive Dust Control Plan. Must be received prior to beginning construction work on the project.	Prior to Construction	CVFPB	CVFPB

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<p>(FRAQMD). FRAQMD requires that any project occurring in the district implement FRAQMD's Standard Mitigation Measures.</p>	<p>Implement the Fugitive Dust Control Plan</p> <p>Construction equipment exhaust emissions shall not exceed FRAQMD Regulation III, Rule 3.0, Visible Emissions limitations (40 percent opacity or Ringelmann 2.0).</p> <p>The contractor shall be responsible to ensure that all construction equipment is properly tuned and maintained prior to and for the duration of onsite operation.</p> <p>Limiting idling time to 5 minutes, this saves fuel and reduces emissions. (State idling rule: commercial diesel vehicles- 13 CCR Chapter 10 Section 2485 effective 02/01/2005; off road diesel vehicles- 13 CCR Chapter 9 Article 4.8 Section 2449 effective 05/01/2008).</p> <p>Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.</p> <p>Develop a traffic plan to minimize traffic flow interference from construction activities. The plan may</p>	<p>During Construction</p>	<p>CVFPB</p>	<p>CVFPB</p>

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	<p>include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through-traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites.</p> <p>Portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles, may require California Air Resources Board (ARB) Portable Equipment Registration with the State or a local district permit. The owner/operator shall be responsible for arranging appropriate consultations with the ARB or the District to determine registration and permitting requirements prior to equipment operation at the site.</p>			

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	<p>site to identify any active nests (eggs or juveniles). Surveys will be completed in accordance with the Recommended Timing and Methodology for Swainson’s Hawk nesting Surveys in California’s Central Valley (SWA TAC 2000). If an active nest is identified, work will not occur within ¼ mile of the nest until the young has fledged the nest.</p> <p><u>Tricolored Blackbird and other special status raptors</u> If work is to be conducted during the nesting season (mid-March – early August), pre-construction surveys will be completed prior to construction work within 250 feet of the project site. If an active nest is identified, impacts will be avoided by establishment of appropriate buffers to minimize the impacts. The size of the buffers may be adjusted, depending on the project activity and stage of the nest, if a qualified biologist determines that activity within a reduced buffer would not be</p>	<p>Prior to Construction</p>	<p>CVFPB</p>	<p>CVFPB</p>

Section and Impacts	Mitigation Measures	Implementation Timing	Responsible for Mitigation	Responsible for Monitoring
	<p>fence line shall be mowed (with a minimum height of 6 inches) in order to conduct a surface survey of potential burrows. Fencing shall be installed with a minimum of 6 inches buried in the ground and a minimum of 24 inches above ground. Fence staking shall be installed on the inside of the exclusion area. One-way escape funnels shall be installed every 50 – 100 feet and sealed along the fence line, to provide an escape for any giant garter snake that may within the exclusion area. The fencing shall enclose the entirety of the site, to the greatest extent feasible. There is open-water to the east of the site, where a cofferdam is to be installed during construction. CVFPB will work with CDFW and USFWS to determine best placement of exclusion fencing within this area. The fencing will be inspected before the start of each work day and maintained by the project proponents until completion of the project. The fencing will be removed</p>			

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	<p>If vehicles will be left onsite overnight, they will be surveyed by a biological monitor in the morning to see if GGS are present. If a GGS is found, it will be left alone and construction staff will wait to start up the engine until the snake has left the site on its own.</p> <p>Keep speeds to 20 mph on all roadways within the project footprint.</p> <p>Vegetation clearing will be confined to the minimal area necessary to facilitate construction activities. GGS habitat, including marshes, sloughs, ponds, irrigation canals, drainage ditches, and flooded rice fields, within or adjacent to the project site will be flagged and designated as environmentally sensitive areas. These areas will be avoided by all construction personnel.</p> <p>Any temporary fill and construction debris will be removed after completion of construction activities,</p>	<p>During Construction</p> <p>Prior to Construction</p> <p>After construction is complete</p>	<p>CVFPB/ SMY</p> <p>CVFPB</p> <p>CVFPB</p>	<p>CVFPB</p> <p>CVFPB</p> <p>CVFPB</p>

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	<p>Revegetation to Compensate for Construction-Related Effects:</p> <p>Disturbed soil areas will be stabilized using appropriate erosion control BMPs during and at the completion of construction activities. If hydroseeding is used to cover disturbed areas, native grass/forb/herbaceous plant, sterile rye, or other non-invasive seed mixes will be used. If any trees need to be removed or trimmed, a certified arborist will be present to supervise tree removal and trimming to preserve tree health and ensure that appropriate methods are used. Any native willows, oaks and/or other native plantings to be removed will be replanted in or near the project area.</p>	After construction	SMY	CVFPB
<p>4.6 Cultural Resources</p> <p>No archaeological resources are known to exist in or around the proposed project site. The probability that proposed project implementation could impact buried archaeological deposits is considered to be low given that proposed project activities would be limited to a maximum of eight feet</p>	<p>If historical or unique archaeological resources are accidentally discovered during project activities, all work would temporarily cease in the immediate area until the findings can be assessed by a qualified archaeologist and an appropriate</p>	During construction	CVFPB	CVFPB

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<p>deep below the crest of the existing embankment. This soil has previously been disturbed for construction of the WPIC levee and existing culvert. Therefore, there is little chance that intact archaeological resources will be encountered during project construction.</p> <p>It is not anticipated that proposed project implementation would disturb any human remains, including those interred outside of formal cemeteries. The presence of human remains is unlikely given that no archaeological sites have been identified in the proposed project area and there would be minimal ground disturbance.</p> <p>AB 52 defines tribal cultural resources as “sites, features, places, cultural landscapes, sacred places and objects with cultural value to a California Native American tribe”. Consultation with Native American tribal representatives did not identify any tribal cultural resources within the project area or immediate vicinity.</p>	<p>course of action can be determined. If the find is found to be an historical or unique archaeological resource, time allotment sufficient to allow for implementation of avoidance measures or appropriate mitigation must be available (CEQA Guidelines §15064.5[f]).</p> <p>If human remains are found, such remains would be subject to the provisions of California Public Resources Health and Safety Code Section 7050.5(b). The requirements and procedures would be implemented, including immediately stopping work in the vicinity of the find and notifying the County Coroner. A DWR archaeologist would also need to be contacted immediately. If the remains are determined to be those of a Native American, the process for notification of the California Native American Heritage Commission (NAHC) and consultation with the individual(s) identified by the NAHC as the “most likely descendent” is set forth in Section 5097.98 of the California Public Resources Code. Work in the vicinity of the find can restart after</p>	<p>During construction</p>	<p>CVFPB</p>	<p>CVFPB</p>

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	<p>the remains have been investigated and appropriate recommendations have been made for their treatment and disposition.</p> <p>If prehistoric archaeological resources or human remains are discovered during construction, DWR will consult with tribal representatives identified by the Native American Heritage Commission to determine whether the find is a tribal cultural resource and to identify culturally appropriate treatment. This consultation will take place concurrently with mitigation measures CULT-1 and/or CULT-2, as appropriate.</p>	During construction	CVFPB	CVFPB
<p>4.8 Hazards and Hazardous Materials</p> <p>Construction vehicles on site may require emergency maintenance that may result in the release of oil, diesel, transmission fluid or other materials. These materials would not be used in quantities or be stored in a manner that would pose a significant hazard.</p>	<p>Diesel fuel and oil will be used, stored and disposed in accordance with standard protocols for handling of hazardous materials. All personnel involved in use of hazardous materials will be trained in emergency response and spill</p>	During construction	CVFPB	CVFPB

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	quality, and in-water work will be avoided to the extent practicable.			
<p>4.9 Hydrology and Water Quality</p> <p>The proposed project consists of removing and replacing a damaged culvert, minimal vegetation removal, and re-grading the eastern embankment within the project footprint. The proposed project would use equipment that will be driving adjacent to the toe of the eastern embankment and may be stored in the dry portions of the WPIC channel. Mitigation Measure BIO-4 would ensure that the proposed project would not violate water quality standards or discharge requirements. In addition, installation of the turbidity curtain in the wetted area just east of the damaged culvert will provide added water quality protection.</p>	<p>Avoidance of Wetlands by Construction Equipment:</p> <p>Construction equipment will avoid driving in the wetted portions of the channel and vernal pools. The staging area for equipment storage will be located outside of the wetted portions of the channel.</p>	<p>During construction</p>	<p>SMY</p>	<p>CVFPB</p>