

Attachment B

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MITIGATION MONITORING & REPORTING PROGRAM

Carmel River Floodplain Restoration and Environmental Enhancement

Introduction

In accordance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), an Environmental Impact Report/Environmental Assessment (EIR/EA) was prepared that identifies potential adverse impacts related to construction and operation of the Carmel River Floodplain Restoration and Environmental Enhancement (Carmel River FREE) Project (proposed project). The EIR/EA identifies mitigation measures that would reduce or eliminate these impacts.

Section 21081.6 of the Public Resources Code and Sections 15091(d) and 15097 of the State CEQA Guidelines and NEPA require public agencies to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. A Mitigation Monitoring Reporting Plan (MMRP) is required for the proposed project, because the EIR/EA identified potentially significant adverse impacts related to construction and operation activities, and mitigation measures have been identified to mitigate these impacts. Adoption of the MMRP will occur along with approval of the proposed project.

Purpose of the Mitigation Monitoring and Reporting Plan

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during the construction and operation of the proposed project, as required. The MMRP may be modified by the County of Monterey (County), the project partners, during project implementation, as necessary, in response to changing conditions or other project refinements. The MMRP table below has been prepared to assist the responsible parties in implementing the MMRP. This table identifies the category of significant environmental impact(s), individual mitigation measures, monitoring and mitigation timing, responsible person/agency for implementing the measure, monitoring and reporting procedure, and notation space to confirm implementation of the mitigation measures. The numbering of the mitigation measures follows the numbering sequence in the Final EIR/EA.

Roles and Responsibilities

The County, as the CEQA lead agency, is responsible for the oversight of compliance of the mitigation measures in the MMRP.

Mitigation Monitoring and Reporting Plan

The following describes the column categories identified in the MMRP table:

- **Mitigation Measure** – This column lists the mitigation measures by number.
- **Project Component/Activity/Timing/Frequency/Agency Coordination** – This column lists the project component the mitigation measure applies to, activity(ies) to be monitored for each mitigation measure, the timing of each activity, the frequency of monitoring for each activity, and identification of any outside agency coordination.
- **Implementation Responsibility/Verification** – This column identifies the entity responsible for complying with the requirements of the mitigation measure and provides space for verification initials and date.
- **Responsibility for Oversight of Compliance/Verification** – This column provides the agency responsible for oversight of the mitigation implementation, and is to be dated and initialed by the agency representative based on the documentation provided by the construction contractor or through personal verification by agency staff.
- **Comments** – this column provides space for written comments, if necessary.

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
Traffic and Transportation				
<p>TT-1</p> <p>In order to minimize the extent of impacts associated with construction-related traffic, a Transportation Management Plan shall be prepared by a designated representative and submitted to Caltrans and the County for review and approval, prior to the issuance of an encroachment permit in connection with the Causeway Component. The Transportation Management Plan shall provide information related to public awareness, temporary traffic control measures, traffic diversions and lane closures, safety measures, construction notification information, and other information as deemed necessary by Caltrans.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare and implement a Transportation Management Plan</p> <p>Timing: Prior to the issuance of an encroachment permit</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
Visual/Aesthetics				
<p>VA-1</p> <p>Bridge rail shall be Type 80 with architectural texture and color.</p>	<p>Component: Causeway</p> <p>Activity: Incorporate bridge rail type into final design of Causeway</p> <p>Timing: During construction</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>VA-2 Bicycle and pedestrian rail shall be colored to compliment the Type 80 bridge rail.</p>	<p>Component: Causeway</p> <p>Activity: Incorporate pedestrian rail type into final design of Causeway</p> <p>Timing: During construction</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>VA-3 All new and replaced guardrail and end treatments shall be colored to reduce reflectivity and blend with the natural setting. Coloring shall be applied to metal posts and beams.</p>	<p>Component: Causeway</p> <p>Activity: Incorporate guardrail and end treatments into final design of Causeway</p> <p>Timing: During construction</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>VA-4 A minimum of two trees will be planted for each tree removed from Caltrans right-of-way. Replacement trees will be planted within the Caltrans right-of-way to the greatest extent possible considering horticultural viability and safety requirements. These trees will be installed, maintained and monitored according to the methods and requirements for the Tier 1 compensatory mitigation planting detailed in the RMP prepared for the project and other measures required by Caltrans as part of the Encroachment Permit process. The trees will consist of</p>	<p>Component: Causeway</p> <p>Activity: Replant trees removed from the Caltrans right-of-way within the Caltrans right-of-way</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>native, locally occurring species that are compatible with the Tier 1 plantings. The location of the mitigation plantings within the Caltrans right-of-way will be determined as part of the PS&E stage of the Project and will maximize connectivity with adjacent Tier 1 riparian mitigation planting areas outside of the right-of-way.</p>	<p>Timing: Details of planting determined during PS&E stage of project. Replanting of trees following construction</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>Restoration Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>		
Cultural and Tribal Resources				
<p>CUL-1</p> <p>The final grading plan for activities shall be prepared in consultation with a qualified archaeologist, an OCEN representative, and an ETMC representative. The Monterey District State Parks archaeologist shall review the final grading plan for activities on State Parks property.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare final grading plans in consultation with qualified archeologist, OCEN representative, ETMC representative, and Monterey District State Parks archeologist</p> <p>Timing: Prior to construction</p> <p>Frequency: Once</p> <p>Agency Coordination: None</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Archeologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>OCEN Representative</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
		ETMC Representative <hr/> Initials <hr/> Date State Parks <hr/> Initials <hr/> Date		
<p>CUL-2</p> <p>Cultural resource sensitivity training will be provided for grading crews prior to the initiation of construction with the Project Archaeologist and Native American monitor(s). Native American monitor(s) means a reasonably trained or otherwise qualified monitor who is also a descendant of OCEN or ETMC. Cultural resource sensitivity training shall be provided by the State Parks archeologist for grading activities on State Parks property. During this training, the construction contractor, Project Archaeologist, State Parks archeologist, and Native American monitor(s) will agree on a communication plan and initial steps to implement Mitigation CUL-4 if potentially significant cultural resources are encountered.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Provide cultural sensitivity training for grading crews</p> <p>Timing: Prior to construction</p> <p>Frequency: Once</p> <p>Agency Coordination: None</p>	<p>County of Monterey</p> <hr/> Initials <hr/> Date Project Contractor <hr/> Initials <hr/> Date Project Archeologist <hr/> Initials <hr/> Date	<p>County of Monterey</p> <hr/> Initials <hr/> Date	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
		Native American Monitor <hr/> Initials <hr/> Date State Parks <hr/> Initials <hr/> Date		
<p>CUL-3</p> <p>A professional archaeologist shall be on call to quickly assess any potentially significant cultural materials, archaeological resources, or human remains that might be uncovered during project excavations. At least one Native American monitor, and up to one Native American monitor per excavation activity, shall be on site during excavation west of SR 1. Additionally, at OCEN's and ETMC's discretion, up to one Native American monitor per excavation activity is optional east of SR 1. The Project Archeologist shall communicate and coordinate with the Native American monitor(s) in regard to all data collection and the evaluation of all artifacts. Prior to the issuance of any grading permit for the Floodplain Restoration Component, the Project Applicants shall submit evidence to the County demonstrating that an on-call professional archaeologist and the Native American monitor(s) have been retained. The Project Archeologist and the Native American monitor(s) shall be provided contact, access, and schedule information sufficient to facilitate their monitoring efforts.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Contract an on-call professional archeologist and Native American monitor(s) to monitor during construction</p> <p>Timing: Prior to and during construction</p> <p>Frequency: Prior to and ongoing during construction</p> <p>Agency Coordination: None</p>	<p>County of Monterey <hr/> Initials <hr/> Date</p> <p>Project Archeologist <hr/> Initials <hr/> Date</p> <p>Native American Monitor <hr/> Initials <hr/> Date</p>	<p>County of Monterey <hr/> Initials <hr/> Date</p>	

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<p>CUL-4</p> <p>If, at any time during Project construction, potentially significant cultural resources are encountered, work shall cease within 50 feet of the find until the Project Archaeologist, Native American monitor(s), and the State Parks archeologist (for discoveries within State Parks property) can evaluate the discovery. If the find is determined to be significant, steps shall be taken to protect the find from further damage or disruption. The Service’s Regional Historic Preservation Officer (RHPO) and the County will be notified. Additionally, an appropriate mitigation plan shall be developed and implemented with the concurrence of the Lead Agencies and in consultation with an OCEN representative and an ETMC representative.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Avoid or mitigate impacts to unanticipated cultural discovery</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: RHPO and SHPO</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Archeologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Native American Monitor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>State Parks</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>CUL-5</p> <p>The Project Archaeological and Native American monitor(s) shall closely coordinate the recovery of any significant cultural materials that may be found in the excavated soil. If determined appropriate and necessary by the monitors, they shall selectively screen soil samples through 1/8" mesh to facilitate data recovery. The property owner, in consultation with the County, shall determine how best to proceed with all materials remaining in the screen and recovered artifacts of interest. Removal of any/all cultural deposits or features on State Parks property shall not occur unless</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Recover any discovered cultural resources</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>the State Parks archaeologist has been contacted and has been on site to determine how best to proceed.</p>	<p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: RHPO and SHPO</p>	<p>Project Archeologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Native American Monitor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>		
<p>CUL-6</p> <p>In accordance with California PRC Sections 5097 and 7050.5, if, at any time, human remains are discovered, the Monterey County Coroner and Service’s RHPO must be notified. For discoveries of human remains within State Parks property, the State Parks archeologist shall also be notified. If the Coroner determines that the remains are likely to be Native American, the Native American Heritage Commission will be notified and will appoint a Most Likely Descendent (MLD) to provide recommendations for the disposition of the remains and work will not resume until they have made a recommendation to the landowner or the person responsible for the excavation work, for means of treating and disposing of, with appropriate dignity, the human remains and any associated grave goods, as provided in California PRC 5097.98.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Recover any discovered human remains</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: Monterey County Coroner and RHPO</p>	<p>Project Archeologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Native American Monitor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>CUL-7</p> <p>A Final Technical Report detailing the results of all analyses shall be completed within six months following the completion of monitoring work. This report shall be submitted to the Lead Agencies, the Northwest Information Center, Sonoma State University, the Chairperson of the OCEN and the Chairperson of the ETMC. The report shall also be submitted to the State Parks archaeologist for any and all findings on the State Parks portion of the Project.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare final cultural monitoring report</p>	<p>Project Archeologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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	Timing: Following construction Frequency: Once Agency Coordination: OCEN, ETMC, and State Parks			
CUL-8 Installation of exclusionary fencing around the Fish Ranch Adobe shall be installed prior to the initiation of construction by the contractor under the supervision of the Project Archeologist. The purpose of the exclusionary fencing is to ensure construction activities avoid all impacts to this historic resource. Documentation of the installation of the fencing will be provided to the County prior to construction. Construction-phase monitoring will be conducted on weekly basis to ensure the exclusionary fencing is maintained during construction of the Project. The County will be notified immediately in the case that the fences are not being properly maintained.	Component: Floodplain Restoration Activity: Avoid or mitigate impacts to the adjacent Fish Ranch Adobe Timing: Prior to and during construction Frequency: Prior to and ongoing during construction Agency Coordination: None	County of Monterey _____ Initials _____ Date Project Contractor _____ Initials _____ Date Project Archeologist _____ Initials _____ Date	County of Monterey _____ Initials _____ Date	

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<p>CUL-9</p> <p>The Creamery and Blacksmith Shop will be raised and placed on concrete foundations prior to the levee plugs being removed (approximately three to five years following construction). It is anticipated that the buildings will be elevated between six to eight inches and then placed on concrete perimeter or pier foundations. Existing engineering plans, which were originally prepared by State Parks, shall be updated prior to implementation of this measure to reflect any changed conditions or changes in building codes since the original preparation. The State Parks historian shall be contacted prior to construction work on the Creamery and Blacksmith Shop. The County intends to enter into a MOU with State Parks prior to the initiation of construction that outlines the details of this effort, including cost sharing. The MOU shall include the minimum experience requirements of the contractor(s) who bid for the lifting, cribbing, and moving of the structures and the foundation repair. The MOU shall have concurrence by the State Parks historian with regard to writing specifications for qualified contractor to raise each building, prior to executing a contract. Additionally, any required consultation with SHPO for raising of the buildings shall be conducted prior to construction.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Avoid or mitigate impacts to historic buildings</p> <p>Timing: Prior to construction</p> <p>Frequency: Once</p> <p>Agency Coordination: SHPO</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>State Parks</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>CUL-10</p> <p>Prior to issuance of the grading permit for the project, BSLT, project co-applicant, shall enter into an agreement with the County that provides the following:</p> <ul style="list-style-type: none"> ▪ Documented evidence that BSLT has offered a location on BSLT property to OCEN for reinternment of Native American human remains, should any be found at the during construction of the Project; ▪ BSLT statement of intent to provide post-project construction access at the Project site to OCEN members to collect native materials for cultural purposes, and a date-certain by which BSLT will provide documented evidence that BSLT has offered a mechanism to provide said access to OCEN; ▪ BSLT statement of intent to work with OCEN to collaboratively develop interpretive information and materials about the history of the OCEN people at the Project site; and ▪ A provision indicating that the BSLT will consider requests from OCEN, ETMC, and other tribes for cultural educational activities at the Project site. 	<p>Component: Floodplain Restoration</p> <p>Activity: BSLT and County to enter into an agreement to document coordination with OCEN, ETMC, and other tribes</p> <p>Timing: Prior to issuance of the grading permit</p> <p>Frequency: Once</p> <p>Agency Coordination: None</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>BSLT</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
Hydrology and Floodplain				
<p>HF-1</p> <p>In order to reduce potential adverse effects associated with bridge scouring, the final design of the causeway shall be completed in accordance with the recommendations of a detailed design-level hydraulic analysis. The hydraulic analysis shall contain a detailed evaluation of potential bridge scouring and shall be prepared in accordance with the requirements of Caltrans. Prior to the issuance of any grading and/or building permit in connection with the causeway, a copy of this report shall be submitted to Caltrans and the County for review and approval.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare design-level hydraulic analysis and incorporate design recommendations into final Causeway plans</p> <p>Timing: Prior to the issuance of any grading and/or building permit in connection with the causeway</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p align="center">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p align="center">Project Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p align="center">Project Hydraulic Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p align="center">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>HF-2</p> <p>In order to reduce potential adverse effects associated with possible impacts to the validity of the base flood elevations cited on the currently-effective FEMA Flood Insurance Rate Map Panel for the Project area, the Monterey County Water Resources Agency shall, on behalf of the Project Applicants, obtain a FEMA Conditional Letter of Map Revision (CLOMR) prior to construction of the Project to have FEMA review and determine the precise way in which the flood map would be revised. Following the completion of the Project, the Project Applicants shall obtain a FEMA Letter of Map Revision (LOMR) to officially update to the flood map to reflect the revision. The Project Applicants or designated representative shall submit evidence to the County demonstrating that the identified requests have been made.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Obtain a FEMA CLOMR and LOMR</p> <p>Timing: Prior to and following construction</p> <p>Frequency: Once prior to and once following construction</p> <p>Agency Coordination: MCWRA and FEMA</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Monterey County Water Resources Agency</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>HF-3</p> <p>The County shall avoid the potential impacts to the existing CAWD outfall and sewer force main by phasing construction of the Proposed Project so that the Undergrounding Project is complete prior to any Proposed Project changes to the existing floodplain conditions. The Proposed Project shall include the following measures to protect the CAWD outfall and sewer force main pipelines from any negative impacts from the Proposed Project:</p> <ol style="list-style-type: none"> 1. The existing south bank river levee will remain intact until the Undergrounding Project is complete and CAWD has provided timely written notification to the County of completion. 2. The temporary SR 1 detour road, which will be constructed to an elevation equal to the existing SR 1 embankment to function as a barrier to maintain flows equal to the existing condition during a flood event, shall remain intact until the CAWD Project is complete and CAWD has provided timely written notification to the County of completion. 	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: South bank river levee and temporary SR 1 detour road to remain intact until the Undergrounding Project is complete and CAWD has provided written notification to the County.</p> <p>Timing: During and following construction</p> <p>Frequency: Once</p> <p>Agency Coordination: CAWD</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>HF-4</p> <p>The County shall negotiate in good faith for an agreement with CAWD to address funding and implementation of the Undergrounding Project in order to avoid potential impacts of the Proposed Project.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Negotiate in good faith for an agreement with CAWD to address funding and implementation of the Undergrounding Project</p> <p>Timing: Prior to construction</p> <p>Frequency: Once</p> <p>Agency Coordination: CAWD</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>HF-5</p> <p>The County shall not issue a Notice to Proceed to commence construction of the Proposed Project until the following has occurred:</p> <p>A. The County has received in writing the following assurances from CAWD:</p> <ol style="list-style-type: none"> 1. CAWD has obtained all required governmental approvals to proceed with the Undergrounding Project, and 2. CAWD has awarded a construction contract to construct the Undergrounding Project; and <p>B. All necessary funding for the Undergrounding Project has been secured to the satisfaction of both CAWD and the County.</p> <p>(As used herein, "Notice to Proceed" means authorization to the contractor to commence construction.)</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: County will not issue a Notice to Proceed for construction CAWD has provided written assurances of approvals and award of a contract to construct the Undergrounding Project; and all necessary funding for the Undergrounding Project has been secured to the satisfaction of CAWD and the County</p> <p>Timing: Prior to issuance of Notice to Proceed with construction</p> <p>Frequency: Once</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
	Agency Coordination: CAWD			
Water Quality and Storm Runoff				
<p>WAQ-1</p> <p>In order to reduce downstream sedimentation, bank stabilization measures recommended by a licensed civil engineer shall be implemented immediately following levee removal as part of the Restoration Component. The remnant levees shall be monitored as part of on-going site monitoring to ensure that post-construction erosion is minimized. Adaptive management practices shall be implemented to the extent necessary in consultation with the Project Engineer. Prior to the issuance of any grading permit for levee removal, final grading plans shall include bank stabilization measures, subject to the review and approval of the County. The Project Applicants will be responsible for monitoring the implementation of the measures and shall, upon completion, provide the County certification from a licensed geotechnical engineer that all bank stabilization measures have been constructed in accordance with their recommendations and the approved plans.</p>	<p>Component: Floodplain Restoration</p> <p>Activity: Include bank stabilization measures in final grading plans and implement following levee removal</p> <p>Timing: Prior to issuance of any grading permit for levee removal and during and following levee removal</p> <p>Frequency: Prior to and ongoing during and following construction</p> <p>Agency Coordination: None</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p style="text-align: center;">Project Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p style="text-align: center;">Project Geotechnical Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>WAQ-2</p> <p>A SWPPP shall be prepared by a Qualified SWPPP Developer and implemented by the Project Contractor. The SWPPP shall identify the sources of pollutants that may affect the quality of stormwater and include the construction site BMPs. BMPs will included, but are not limited to, scheduling to minimize active Disturbed Soil Areas during rainy season and preserving existing vegetation to the maximum extent feasible. The Project Applicants will be responsible for coordinating the preparation of the SWPPP and obtaining coverage under the State Construction General Permit. The Qualified SWPPP Developer shall submit the SWPPP and Waste Discharger Identification Number to the County, for review and comments, prior to issuance of any related construction permits.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare and implement a SWPPP, and obtain coverage under the State General Construction Permit</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

**MITIGATION MONITORING & REPORTING PROGRAM
Carmel River Floodplain Restoration and Environmental Enhancement**

Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
	<p>Timing: Prior to issuance of any related construction permits</p> <p>Frequency: Once</p> <p>Agency Coordination: None</p>	<p>Qualified SWPPP Developer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>		
Geology				
<p>GEO-1</p> <p>A design-level geotechnical report shall be prepared, by a licensed geotechnical engineer, to include analysis of site conditions and geologic hazards, conclusions, and project design recommendations. A copy of this report shall be submitted to Caltrans and the County for review and approval.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare design-level geotechnical report</p> <p>Timing: Prior to preparation of final plans</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Geotechnical Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>GEO-2</p> <p>The final design of the proposed causeway shall be completed in accordance with the recommendations of the design-level geotechnical report that addresses potential hazards associated with lateral spreading and liquefaction. A licensed geotechnical engineer shall review the final construction plans and certify their recommendations have been incorporated into the project design. A copy of the construction plans and certification letter shall be submitted to Caltrans and the County for review and approval.</p>	<p>Component: Causeway</p> <p>Activity: Incorporate design recommendations from geotechnical report into final Causeway plans</p> <p>Timing: issuance of any grading and/or building permit in connection with the causeway</p> <p>Frequency: Once</p> <p>Agency Coordination: Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Geotechnical Engineer</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
Paleontology				
<p>PAL-1</p> <p>Prior to issuance of a grading permit, the Project Applicants shall retain a qualified paleontologist to monitor ground disturbing construction activities. Paleontological monitoring shall include field inspections of cut slopes, trenches, spoils piles, and all graded surfaces for freshly exposed fossil remains, in accordance with Project safety requirements. Excavations near the southern boundary of the Project site that are greater than five feet in depth shall be periodically spot checked. The spot checks shall occur on a daily basis for at least the first three days to allow for the paleontological monitor to fully assess the onsite conditions and impacted sediments. Full time monitoring shall be implemented during excavations in to native Pleistocene sediments and Miocene marine sandstone (Tus), if encountered. If it is determined that paleontologically sensitive sediments are not being impacted, this can be reduced to weekly checks. Additionally, monitoring and spot checking efforts may be reduced, at the discretion of the qualified paleontologist in consultation with the County, Service, and Caltrans, if it is determined that only previously disturbed</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Contract an on-call professional paleontologist to monitor during construction and avoid or mitigate impacts to unanticipated paleontological discovery</p> <p>Timing: Prior to and during construction</p> <p>Frequency: Prior to and ongoing during construction</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Paleontological Monitor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>and Holocene-aged alluvial sediments are being impacted, or if sediments are deemed to be nonconductive to fossil preservation.</p> <p>If a fossil is discovered by a monitor in a construction excavation, the monitor shall immediately notify the equipment operator and/or site project manager to stop work, and then mark the area surrounding the site with flagging until the discovery can be fully explored and evaluated. The paleontological monitor shall immediately notify the Principal Paleontologist, site project manager, and Resident Engineer. Construction activities in the immediate vicinity of the site shall stop until authorization for work to continue is provided by the qualified paleontologist. If a concentration of fossils are found, the area will be flagged and the site project manager, Resident Engineer, and Principal Paleontologist, will be notified to determine necessary action. Any action shall be communicated to the contractor and responsible agencies. Construction activities can continue outside of an appropriate buffer to the discovery site based on the size of the fossil and in consultation with the site project manager and/or Resident Engineer. All scientifically important fossils shall be salvaged and fully documented within a detailed stratigraphic framework as construction conditions and safety considerations permit. Significance criteria and salvage procedures are discussed in the Paleontological Identification Report/Paleontological Evaluation Report prepared for the Project.</p> <p>A paleontological monitoring report shall be prepared and delivered to the County, Service, Caltrans, and the University of California Museum of Paleontology at Berkeley (or other appropriate fossil repository) within 30 days of the completion of field work, or as negotiated on consultation. The report shall include dates of field work, results of monitoring, fossil analyses, significance evaluation, conclusions, locality forms, and an itemized list of specimens.</p>	<p>Agency Coordination: Caltrans and the Service</p>			

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<p>PAL-2</p> <p>Prior to earthmoving activities, a qualified paleontologist shall provide a worker training program to inform construction personnel of the possibility for fossil discoveries (including the location of the areas of high potential) and shall instruct personnel to immediately inform their supervisor if any bones or other potential fossils are unearthed at the Project site and a paleontological monitor is not present. In such a case, workers shall immediately cease all activity within a 20-foot radius of the discovery site until a qualified professional paleontologist shall be mobilized to the Project site to examine and evaluate the find. If necessary, appropriate salvage measures will be developed in consultation with the responsible agencies and in conformance with Caltrans guidelines and best practices in mitigation paleontology. Work may not resume in the discovery area until it has been authorized by a qualified paleontologist.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Provide paleontological sensitivity training for grading crews</p> <p>Timing: Prior to and during construction</p> <p>Frequency: Prior to and ongoing during construction</p> <p>Agency Coordination: Possible coordination with Caltrans</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Paleontological Monitor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
Hazardous Waste and Materials				
<p>HAZ-1</p> <p>Paint striping or thermoplastic paint shall be removed in accordance with Caltrans standard special provisions. A Lead Compliance Plan would be required for conducting the paint removal activities, and it should describe proper handling methods of the paint material and shall provide information regarding limiting exposure to lead chromate containing paint materials. The material will be disposed at a solid waste landfill facility permitted to accept such wastes.</p>	<p>Component: Causeway</p> <p>Activity: Remove and dispose of thermoplastic paint in accordance with Caltrans standard special provisions and prepare a Lead Compliance Plan</p> <p>Timing: Prior to and during paint removal</p> <p>Frequency: Prior to and ongoing during construction</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
	Agency Coordination: None			
<p>HAZ-2</p> <p>Any treated wood should be properly stored and disposed of at a solid waste landfill facility permitted to accept such wastes.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Properly store and dispose of treated wood</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: None</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>HAZ-3</p> <p>Cleaning and refueling of equipment and vehicles during construction shall occur only within designated staging areas. No maintenance, cleaning, or fueling of equipment shall occur within riparian areas and, at a minimum, all equipment and vehicles will be checked and maintained by the Project Contractor on a daily basis to ensure proper operation and avoid potential leaks or spills. During construction, all construction-related spills of hazardous materials within or adjacent to the construction site will be cleaned up immediately. Spill prevention and clean-up materials shall be onsite at all times during construction. Construction materials/debris will also be stored within the designated staging areas. No debris, soil, silt, sand, oil, petroleum products, cement, concrete, or washings thereof shall be allowed to enter into, or be placed where they may be washed by rainfall or runoff, into riparian habitats or adjacent wetland habitats. All construction-related spills of hazardous materials within or adjacent to the construction site shall be reported to the Project Biologist and construction biological monitor immediately. The Project Biologist and construction biological monitor shall include any spill-related issues and resolutions in the daily log.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Implement spill prevention and, if necessary, clean-up measures</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: None</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Carmel River Floodplain Restoration and Environmental Enhancement

Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
Air Quality				
<p>AQ-1</p> <p>The Project Contractor shall comply with Caltrans' Standard Specifications in Section 14(2010).</p> <ul style="list-style-type: none"> ▪ Section 14-9.01 specifically requires compliance by the contractor with all applicable laws and regulations related to air quality, including air pollution control district and air quality management district regulations and local ordinances. ▪ Section 14-9.02 is directed at controlling dust. 	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Comply with Caltrans' Standard Specifications regarding air quality</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: Caltrans</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>AQ-2</p> <p>In order to reduce potential adverse air quality effects associated with Project construction, BMPs to reduce PM₁₀ emissions shall be implemented by the Project Contractor to the extent practicable throughout the duration of Project construction. Standard BMPs may include, but are not limited to:</p> <ul style="list-style-type: none"> ▪ Apply water to the site and equipment as frequently as necessary to control fugitive dust emissions. No dust palliative materials other than water are to be used within the floodplain. ▪ Spread soil binder on any unpaved roads used for construction purposes, and all Project construction parking areas, when practical. ▪ Wash off trucks as necessary to control fugitive dust emissions. ▪ Properly tune and maintain construction equipment and vehicles. Use low-sulfur fuel in all construction equipment as provided in California Code of Regulations Title 17, Section 93114. ▪ Locate equipment and material storage sites as far away from residences and recreational areas as practical. Keep construction areas clean and orderly. ▪ Use track-out reduction measures such as gravel pads at Project access points to minimize dust and mud deposits on roads affected by construction traffic. 	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Implement BMPs to reduce PM₁₀ emissions</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: MBARD</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<ul style="list-style-type: none"> ▪ Cover all transported loads of soils and wet materials prior to transport to minimize emission of dust (particulate matter) during transportation. ▪ To decrease particulate matter, promptly and regularly remove dust and mud that is deposited on paved, public roads due to construction activity and traffic. ▪ Route and schedule construction traffic to avoid peak travel times as much as possible, to reduce congestion and related air quality impacts caused by idling vehicles along local roads. ▪ Locate construction equipment and truck staging and maintenance areas to the extent feasible and nominally downwind of schools, active recreation areas, and other areas of high population density. ▪ Cover inactive storage piles. ▪ Post a publicly visible sign which specifies the telephone number and person to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the MBARD shall be visible to ensure compliance with Rule 402 (Nuisance). 				
Noise and Vibration				
<p>NSE-1</p> <p>Prior to initiation of construction, a Construction Noise Management Plan (CNMP) shall be prepared consistent with the County of Monterey Noise Control Ordinance (Chapter 10.60 of the County’s Code of Ordinances). The CNMP shall identify all areas where major noise-generating construction activities would result in noise levels at nearby land uses that would exceed instantaneously levels of 85 dBA for the daytime and 65 dBA Lmax, for the night, measured at the property line of the noise source. The CNMP shall be reviewed and approved by County planning staff and Caltrans prior to initiation of construction. The CNMP shall be implemented by all relevant contractors at the site, and noise shall be monitored during demolition, grading, pile driving, and other noise-generating activities. Reporting of implementation shall be provided to the County for review. The CNMP shall include, at a minimum, the following components:</p> <ul style="list-style-type: none"> ▪ Identification of noise-reduction measures to be implemented with a noise-reduction goal sufficient to achieve the County’s instantaneous noise standards. Noise-reduction measures may include, but are not limited to, the use of quieter equipment, equipment enclosures/ 	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Prepare and implement a Construction Noise Management Plan</p> <p>Timing: Prior to and during construction</p> <p>Frequency: Prior to and ongoing during construction</p> <p>Agency Coordination: None</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p style="text-align: center;">Initials</p> <hr/> <p style="text-align: center;">Date</p> <p style="text-align: center;">Project Contractor</p> <hr/> <p style="text-align: center;">Initials</p> <hr/> <p style="text-align: center;">Date</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p style="text-align: center;">Initials</p> <hr/> <p style="text-align: center;">Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>surrounds, construction of temporary noise barriers, and/or installation of equipment noise control.</p> <ul style="list-style-type: none"> ▪ A construction noise complaint and response program. Notification and response procedures/measures to be implemented in response to noise-related complaints shall be identified. The name(s) of designated noise-control representative(s) and daytime contact information shall be included. ▪ A construction noise monitoring program sufficient to provide verification that resultant noise levels associated with noise-generating construction activities would not exceed the County's daytime and nighttime intermittent noise standards ▪ Quiet models of air compressors and other stationary noise sources where technology exists shall be utilized. ▪ All internal combustion engine-driven equipment shall be equipped with mufflers that are in good condition and appropriate for the equipment. ▪ All stationary noise-generating equipment, such as air compressors and portable power generators, shall be located to maximize distances to residences/noise sensitive uses. ▪ Staging areas and construction material shall be located to maximize distances to residences or noise-sensitive land uses. ▪ Noise from construction workers' radios shall be controlled to a point that they are not audible at existing residences bordering the Project site. ▪ All unnecessary idling of internal combustion engines shall be prohibited. 				
<p><i>NSE-2</i></p> <p>Advance written notification shall be provided to property owners and building occupants that are located adjacent to construction areas. Notification shall be provided a minimum of five days prior to initiation of project construction. The notification shall identify the name and phone number of the construction representative to be contacted regarding construction-related complaints, as well as, the County of Monterey Planning Department contact information. Additional information regarding anticipated hours and dates of construction and recommended measures to minimize noise-related impacts (e.g., closure of building windows) shall also be included in the notification.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Provide advance notification to adjacent property owners and occupants of project construction</p> <p>Timing: No less than five days prior to construction</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p style="text-align: center;">Initials</p> <hr/> <p style="text-align: center;">Date</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p style="text-align: center;">Initials</p> <hr/> <p style="text-align: center;">Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
	Frequency: Once Agency Coordination: None	Project Contractor <hr/> Initials <hr/> Date		
NSE-3 Noise-generating construction activities shall be limited during the nighttime hours between 9:00 p.m. and 7:00 a.m., consistent with Monterey County noise ordinance Chapter 10.60, Monday through Saturday. Noise-generating construction activities shall be prohibited on Sundays and State-recognized holidays.	Component: Causeway Floodplain Restoration Activity: Limit construction activities during nighttime hours and prohibit noise-generating activities on Sunday and State-recognized holidays Timing: During construction Frequency: Ongoing during construction Agency Coordination: None	County of Monterey <hr/> Initials <hr/> Date Project Contractor <hr/> Initials <hr/> Date	County of Monterey <hr/> Initials <hr/> Date	
Natural Communities				
NC-1 Disturbance or removal of vegetation shall not exceed the minimum necessary to complete Project implementation.	Component: Causeway Floodplain Restoration Activity: Avoid or reduce impacts to vegetation Timing: During construction Frequency: Ongoing during construction	County of Monterey <hr/> Initials <hr/> Date Project Contractor <hr/> Initials <hr/> Date	County of Monterey <hr/> Initials <hr/> Date	

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	Agency Coordination: None	Date Project Biologist <hr/> Initials <hr/> Date		
<p><i>NC-2</i></p> <p>Prior to issuance of a grading permit, the Project Applicants shall retain a qualified Project Biologist to monitor all ground disturbing construction activities (i.e., vegetation removal, grading, excavation, or similar activities) to ensure measures to protect sensitive habitats are implemented. After ground disturbing and vegetation removal activities are complete, or earlier if determined appropriate by the Project Biologist, the Project Biologist will designate a construction monitor to oversee on-site compliance with all avoidance and minimization measures. The Project Biologist shall ensure that this construction monitor receives the sufficient training in the location of the sensitive habitats within and adjacent to the Project site and the protective measures afforded to them. The Project Biologist shall ensure the construction monitor is satisfactorily implementing all appropriate mitigation protocols by conducting site visits approximately weekly or when necessary as dictated by the Project activities, proximity to sensitive resources, or other reasons at the discretion of the Project Biologist. Both the Project Biologist and the construction monitor shall have the authority to stop and/or redirect Project activities to ensure protection of resources and compliance with all environmental permits and conditions of the Project. The Project Biologist and the construction monitor shall complete a daily log summarizing activities and environmental compliance throughout the duration of the Project that shall be provided to the County upon completion of the construction.</p>	Component: Causeway Floodplain Restoration Activity: Contract an on-call qualified biologist to monitor during construction train a construction biological monitor; complete a daily log of environmental compliance Timing: Prior to and during construction Frequency: Prior to and ongoing during construction Agency Coordination: None	County of Monterey <hr/> Initials <hr/> Date Project Contractor <hr/> Initials <hr/> Date Project Biologist <hr/> Initials <hr/> Date	County of Monterey <hr/> Initials <hr/> Date	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>NC-3</p> <p>Prior to construction initiation, protective fencing shall be placed so as to keep construction vehicles and personnel from impacting riparian vegetation and other sensitive habitats adjacent to the Project site outside of grading limits. Trees or vegetation not required for removal, but directly adjacent to construction activities, shall be provided appropriate protection from impacts of construction activity. This includes fencing off shrubby vegetation and protective wood barriers for trees. Protective fencing for trees shall be far enough from trunk to adequately protect roots and large branches (typically installed at the drip line). Orange cyclone fencing or other materials that can entrap wildlife shall not be used. Protective fencing shall be installed under the supervision of the Project Biologist. The Project Biologist and/or construction monitor shall monitor the fencing to ensure that the protective fencing remains intact and that all construction work is maintained within the limits of construction. Installation and monitoring of the fencing shall be documented in the daily log.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Install protective fencing to avoid impacts to vegetation and sensitive habitats</p> <p>Timing: Prior to and during construction</p> <p>Frequency: Prior to and ongoing during construction</p> <p>Agency Coordination: None</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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<p>NC-4</p> <p>To mitigate for impacts to riparian habitat resulting from vegetation removal and grading, the RMP prepared for the Project includes replanting willow and cottonwood riparian forest within the Project site at a 3:1 ratio for the area of riparian forest disturbed and at a 2:1 ratio for the area of degraded riparian forest and riparian scrub disturbed (11.3 acres replanted). All compensatory mitigation will be installed during Tier 1 of the restoration, as described in the Project Description. Table 2.3.1-3 shows the mitigation ratios and acreage of riparian restoration presented in the RMP.</p> <p>Table 2.3.1-3. Riparian Vegetation Mitigation</p> <table border="1" data-bbox="121 667 808 867"> <thead> <tr> <th>Type</th> <th>Habitat Quality</th> <th>Impact Acreage</th> <th>Mitigation Ratio</th> <th>Mitigation Acreage</th> </tr> </thead> <tbody> <tr> <td>Riparian Forest</td> <td>High</td> <td>3.1</td> <td>3:1</td> <td>9.3</td> </tr> <tr> <td>Degraded Riparian Forest</td> <td>Medium</td> <td>0.5</td> <td>2:1</td> <td>1.0</td> </tr> <tr> <td>Riparian Scrub</td> <td>Medium</td> <td>0.5</td> <td>2:1</td> <td>1.0</td> </tr> <tr> <td>Total</td> <td>--</td> <td>4.1</td> <td>--</td> <td>11.3</td> </tr> </tbody> </table>	Type	Habitat Quality	Impact Acreage	Mitigation Ratio	Mitigation Acreage	Riparian Forest	High	3.1	3:1	9.3	Degraded Riparian Forest	Medium	0.5	2:1	1.0	Riparian Scrub	Medium	0.5	2:1	1.0	Total	--	4.1	--	11.3	<p>Component: Floodplain Restoration</p> <p>Activity: Replant riparian habitat according to the RMP</p> <p>Timing: Following construction as described in the RMP</p> <p>Frequency: Once</p> <p>Agency Coordination: CDFW and State Parks</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Restoration Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
Type	Habitat Quality	Impact Acreage	Mitigation Ratio	Mitigation Acreage																									
Riparian Forest	High	3.1	3:1	9.3																									
Degraded Riparian Forest	Medium	0.5	2:1	1.0																									
Riparian Scrub	Medium	0.5	2:1	1.0																									
Total	--	4.1	--	11.3																									
Animal Species																													
<p>AS-1</p> <p>Prior to construction activities the Project Biologist shall conduct an Employee Education Program for the construction crew. The Project Biologist shall meet with the construction crew at the Project site at the onset of construction to educate the construction crew on the following: a) a review of the Project boundaries including staging areas and access routes; b) the special-status species that may be present, their habitat, and proper identification; c) the specific minimization and avoidance measures that will be incorporated into the construction effort, d) the general provisions and protections afforded by the Service and CDFW; and e); the proper procedures if a special-status animal is encountered within the construction area. Each employee that receives the training shall sign a sign-in sheet provided by the Project Biologist that shall be included in the daily log.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Provide biological sensitivity training for construction crews</p> <p>Timing: Prior to construction</p> <p>Frequency: Once</p> <p>Agency Coordination: State Parks</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>																										

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
		Project Biologist <hr/> Initials <hr/> Date		
<p>AS-2</p> <p>The Project Biologist shall monitor ground disturbing construction activities (i.e., vegetation removal, grading, excavation, or similar activities) to protect any special-status species encountered. The Project Biologist shall remain available to come to the site if a special-status species is identified until all ground disturbing activities are completed. Any handling and relocation protocols of special-status wildlife species shall be conducted by a qualified biologist with an appropriate scientific collection permit. After ground disturbing and vegetation removal activities are complete, or earlier if determined appropriate by the Project Biologist, the qualified biologist will designate a construction biological monitor to oversee on-site compliance with all avoidance and minimization measures. The Project Biologist shall ensure that this construction biological monitor receives the sufficient training in the identification of special-status species. The Project Biologist shall ensure the construction biological monitor is satisfactorily implementing all appropriate mitigation protocols by conducting site visits approximately weekly or when necessary as dictated by the Project activities, proximity to sensitive resources, or other reasons at the discretion of the Project Biologist. Both the Project Biologist and the construction biological monitor shall have the authority to stop and/or redirect Project activities to ensure protection of resources and compliance with all environmental permits and conditions of the Project. The Project Biologist and the construction biological monitor shall include in the daily log any special-status wildlife species observed and relocated.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Monitor ground disturbing construction to protect any special-status species encountered, provide on-call monitoring, and train a construction biological monitor</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during project construction</p> <p>Agency Coordination: CDFW</p>	<p>County of Monterey</p> <hr/> Initials <hr/> Date BSLT <hr/> Initials <hr/> Date Project Contractor <hr/> Initials <hr/> Date Project Biologist <hr/> Initials <hr/> Date	<p>County of Monterey</p> <hr/> Initials <hr/> Date	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>AS-3</p> <p>All trash that may attract predators shall be properly contained, removed from the construction site, and disposed of regularly by the Project Contractor. Following construction, all trash and construction debris shall be removed from work areas. The Project Biologist and construction biological monitor shall monitor the Project site to ensure trash removal is implemented and shall include any trash-related issues and resolutions in the daily log.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Contain and remove trash and construction debris from project site</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: None</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>AS-4</p> <p>The Project Applicants shall retain a qualified biologist to conduct pre-construction surveys in suitable Monterey dusky-footed woodrat habitat proposed for construction, ground disturbance, or staging within three days prior to construction and maintenance activities for woodrat nests within the Project area and in a buffer zone 25 feet out from the limit of disturbance. All woodrat nests will be flagged for avoidance of direct construction impacts, where feasible. Nests that cannot be avoided will be manually deconstructed prior to land clearing activities to allow animals to escape harm. If a litter of young is found or suspected, nest material will be replaced, and the nest shall be left alone for 2-3 weeks before a re-check to verify that young are capable of independent survival before proceeding with nest dismantling. For the construction phase only, the qualified biologist shall prepare a pre-construction survey report that documents the survey dates and results that shall be provided to the County prior to construction. If nest monitoring is necessary during construction, the qualified biologist shall prepare a construction monitoring report that documents the monitoring dates, activities, and results.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Conduct pre-construction surveys for Monterey dusky-footed woodrat</p> <p>Timing: No more than three days prior to construction</p> <p>Frequency: Once.</p> <p>Agency Coordination: State Parks and CDFW</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>AS-5</p> <p>To avoid impacts to nesting birds, vegetation proposed for removal for construction and maintenance will be removed prior to the nesting season (February 15 through September 1). If this is not possible, pre-construction surveys shall be conducted for nesting raptors, riparian avian species, or other special-status avian species in all areas that may provide suitable nesting habitat that exist in or within 300 feet of the Project boundary by a qualified biologist within 15 days prior to the commencement of construction activities. If nesting birds are identified during pre-construction surveys, an appropriate buffer will be imposed within which no construction activities or disturbance will take place (generally 300 feet in all directions). A qualified biologist shall be on-site during work re-initiation in the vicinity of the nest offset to ensure that the buffer is adequate and that the nest is not stressed and/or abandoned. No work may proceed in the vicinity of an active nest until such time as all young are fledged, or until after September 1 (when young are assumed fledged). For the construction phase only, the qualified biologist shall prepare a pre-construction survey report that documents the survey dates and results that shall be provided to the County prior to construction. If nest monitoring is necessary during construction, the qualified biologist shall prepare a construction monitoring report that documents the monitoring dates, activities, and results.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Conduct pre-construction and pre-maintenance surveys for nesting birds</p> <p>Timing: No more than 15 days prior to construction and maintenance activities if activities start September 1 through February 15</p> <p>Frequency: Once prior to construction and each maintenance activity</p> <p>Agency Coordination: State Parks and CDFW</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>BSLT</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Maintenance Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>AS-6</p> <p>A qualified biologist shall conduct pre-construction and maintenance surveys for coast range newts, California legless lizards, and western pond turtles and their nests within three days prior to the commencement of activities. If an individual is found in any areas prior to or during these surveys, a qualified biologist shall relocate the individual from the site to a suitable location. If a western pond turtle nest is found during the survey, it will be monitored and avoided until the eggs hatch. For the construction phase only, the qualified biologist shall prepare a pre-construction survey report that documents the survey dates and results that shall be provided to the County prior to construction. If western pond turtle nest monitoring is necessary during construction, the qualified biologist shall prepare a construction monitoring report that documents the monitoring dates, activities, and results.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Conduct pre-construction and pre-maintenance surveys for coast range newt, California legless lizards and western pond turtles</p> <p>Timing: Prior to construction and maintenance activities</p> <p>Frequency: Once prior to construction and each maintenance activity</p> <p>Agency Coordination: State Parks and CDFW</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>BSLT</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Maintenance Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
Threatened and Endangered Species				
<p>TE-1</p> <p>Prior to issuance of a grading permit, the Project Applicants shall retain a Service-Approved Biologist. The Service-Approved Biologist shall survey appropriate areas of the construction site daily before the onset of work activities for the presence of CRLF. The Service-Approved Biologist shall remain available to come to the site if a CRLF is identified until all ground disturbing activities are completed. If any life stage of the CRLF is found and these individuals are likely to be killed or injured by work activities, the Service-Approved Biologist shall be contacted and work shall stop in that area until the CRLF is relocated. The Service-Approved Biologist shall relocate the CRLF the shortest distance possible to an area that contains suitable habitat and will not be affected by construction activities. The Service-Approved Biologist shall maintain detailed records of any individuals that are moved (e.g., size, coloration, any distinguishing features, photographs) to assist him or her in determining whether translocated animals are returning to the original point of capture. Only Service-Approved Biologists shall participate in activities associated with the capture, handling, and monitoring of CRLF. The Service-Approved Biologist shall prepare a pre-construction survey report that documents the survey dates and results that shall be provided to the County prior to construction. The Service-Approved Biologist shall also prepare a construction monitoring report that documents the monitoring dates, activities, and results following construction completion.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Contract a Service-Approved Biologist to conduct pre-construction surveys for CRLF, monitor for CRLF during construction, and prepare monitoring reports</p> <p>Timing: Prior to issuance of grading permit and during construction</p> <p>Frequency: Prior to issuance of grading permit and ongoing during construction; reporting prior to and following construction</p> <p>Agency Coordination: Service</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p style="text-align: center;">Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p style="text-align: center;">Service-Approved Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p>TE-2</p> <p>After ground disturbing and vegetation removal activities are complete, or earlier if determined appropriate by the Service-Approved Biologist in coordination with the Service, the Service-Approved Biologist will designate a construction biological monitor to oversee on-site compliance with all avoidance and minimization measures. The Service-Approved Biologist shall ensure that the construction biological monitor receives the sufficient training in the identification of CRLF. The construction biological monitor and the Service-Approved Biologist are authorized to stop work if the avoidance and/or minimization measures are not being followed. If work is stopped, the Service shall be notified. The Service-Approved Biologist and the construction biological monitor shall complete a daily log summarizing activities and environmental compliance throughout the duration of the Project.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Train a construction biological monitor and complete a daily log of environmental compliance</p> <p>Timing: Following ground-disturbing and vegetation removal activities</p>	<p style="text-align: center;">County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p style="text-align: center;">Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
	Frequency: Ongoing during construction Agency Coordination: Service	Service-Approved Biologist <hr/> Initials <hr/> Date		
TE-3 To prevent inadvertent entrapment of CRLF during the Project construction, all excavated, steep-walled holes or trenches more than two feet deep will be covered by the Project Contractor at the close of each working day with plywood or similar materials. Before such holes or trenches are filled, they will be thoroughly inspected by the Service-Approved Biologist or construction biological monitor for trapped animals.	Component: Causeway Floodplain Restoration Activity: Prevent entrapment of CRLF Timing: During construction Frequency: Ongoing during construction Agency Coordination: Service	Project Contractor <hr/> Initials <hr/> Date Service-Approved Biologist <hr/> Initials <hr/> Date	County of Monterey <hr/> Initials <hr/> Date	
TE-4 Prior to the initiation of maintenance activities which include mowing and removal of vegetation, as described in Section 1.4 Project Alternatives, the Project Applicants shall retain a Service-Approved Biologist. The Service-Approved Biologist shall survey appropriate areas before the onset of work activities for the presence of CRLF. If any life stage of the CRLF is found the Service-Approved Biologist shall relocate the CRLF the shortest distance possible to an area that contains suitable habitat and will not be affected by maintenance activities. The Service-Approved Biologist shall maintain detailed records of any individuals that are moved (e.g., size, coloration, any distinguishing features, photographs) to assist him or her in determining whether translocated animals are returning to the original point of capture. Only Service-Approved Biologists shall participate in activities associated with the capture, handling, and monitoring of CRLF. The Service-Approved Biologist shall also prepare	Component: Floodplain Restoration Activity: Contract a Service-Approved Biologist to conduct pre-maintenance surveys for CRLF and prepare monitoring reports Timing: Prior to and during operations. Frequency: Prior to maintenance activities such as mowing and vegetation removal	County of Monterey <hr/> Initials <hr/> Date BSLT <hr/> Initials <hr/> Date	County of Monterey <hr/> Initials <hr/> Date	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
<p>a maintenance monitoring report that documents the monitoring dates, activities, and results following construction completion.</p>	<p>Agency Coordination: Service</p>	<p>Maintenance Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Service-Approved Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>		
<p>TE-5</p> <p>All applicable measures outlined in the attached CDFW Avoidance and Minimization Measures (Appendix I) shall be implemented.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Implement applicable CDFW avoidance and minimization measures to avoid or reduce impacts to S-CCC steelhead and EFH</p> <p>Timing: During construction</p> <p>Frequency: Ongoing during construction</p> <p>Agency Coordination: NMFS</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Service-Approved Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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Mitigation Measure	Project Component/Activity/ Timing/Frequency/ Agency Coordination	Implementation Responsibility/ Verification	Responsible Party for Oversight of Compliance/ Verification	Comments
Invasive Species				
<p><i>IS-1</i></p> <p>Construction equipment shall be steam cleaned or pressured washed to remove mud or other debris that may contain invasive plants and/or seeds and inspected to reduce the potential of spreading noxious weeds, before mobilizing to arrive at the construction site and before leaving the construction site.</p>	<p>Component: Causeway Floodplain Restoration</p> <p>Activity: Clean construction equipment</p> <p>Timing: Before mobilizing to arrive and before leaving the construction site</p> <p>Frequency: Once before mobilizing to arrive and once before leaving the construction site</p> <p>Agency Coordination: None</p>	<p>Project Contractor</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>Service-Approved Biologist</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	
<p><i>IS-2</i></p> <p>The agricultural water quality pond and restored floodplain shall not provide permanent standing water sufficient to allow American bullfrog to successfully breed. The Project Applicants shall be responsible for monitoring on an annual basis. If it is determined that the pond or restored floodplain is likely to maintain permanent water, it will be modified to ensure that it is dry for 72 hours in the month of September or alternative American bullfrog management is initiated.</p>	<p>Component: Floodplain Restoration</p> <p>Activity: Prepare and implement a Special Event Transportation Management Plan.</p> <p>Timing: During project operation</p> <p>Frequency: Annually during project operation</p> <p>Agency Coordination: None</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p> <p>BSLT</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	<p>County of Monterey</p> <hr/> <p>Initials</p> <hr/> <p>Date</p>	

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